

# JOSE SUAREZ

**FULL STACK SOFTWARE ENGINEER | SOFTWARE ARCHITECT | TEAM LEADER**

Web: <https://jsuarez.technology/> | LinkedIn: <https://linkedin.com/in/jose-suarez-cordova/>

Phone: 894159730, Dublin, Ireland | e-mail: [jsuarez.developer@gmail.com](mailto:jsuarez.developer@gmail.com)

Nationality: Spanish

Senior Software Engineer and Architect with 25+ years shipping software across every layer of the stack, from database to UI, from startup builds to enterprise SaaS rewrites. I design and build fullstack systems end-to-end across TypeScript / Node / NestJS, Python / Flask, Java / J2EE, PHP / Laravel, React, Angular, and React Native, deployed on AWS (EKS, Lambda, S3, Cognito, SNS, Route 53) and Azure with a reliability-first mindset. My recent work is on regulated healthcare platforms handling special-category patient data under EU GDPR, security-audit ownership, PII / PHI containment at integration boundaries, and multi-repo remediation programmes spanning backend, web, mobile, and serverless workloads.

I lead and grow engineering teams using Agile practices (PSM, PAL, APMG-certified), aligning roadmaps, priorities, and OKRs with business outcomes while staying hands-on in code, architecture, and reviews. Most recently I have been deep into AI-augmented development, treating AI tooling not as a gimmick but as a genuine multiplier for architecture, coding, and delivery speed. I translate ambiguous business requirements into shippable products, mentor by example, and have done it across cultures, time zones, and industries.

## Core strengths

- Fullstack engineering, TypeScript / Node / NestJS, React, React Native, plus deep legacy fluency in Java / J2EE, PHP / Laravel, Python / Flask
- Architecture and end-to-end delivery, database to UI, microservices to serverless
- Cloud solution design, AWS (EKS, Lambda, S3, Cognito, SNS, Route 53, IAM) and Azure
- Healthcare data security and GDPR compliance, security audits, PII / PHI handling, integration-boundary controls
- AI-augmented development as a delivery multiplier (Claude Code, GitHub Copilot)
- Agile leadership, Scrum Master (PSM), Agile Leader (PAL), APMG-certified
- Team building, mentoring, and engineering-culture ownership
- Stakeholder alignment with executives, CEOs, and customers, OKR-driven delivery

## OFFICIAL CERTIFICATIONS

- Professional Scrum Master (PSM) — Scrum.org
- Professional Agile Leadership (PAL) — Scrum.org
- Agile Project Management — APMG International
- Atlassian Certified in Jira Software
- Sun / Oracle Certified Java Programmer (legacy)

# WORK EXPERIENCE

## BEYONDBMI, Ireland — Jan 2026 – Present | Full-Stack Senior Software Engineer

BeyondBMI is an Irish health-tech company based in Dublin, Ireland, focused on medically-led weight management and obesity care. It operates as a digital medical clinic offering personalized programmes designed to help people living with the disease of obesity to lose weight in a sustainable and clinically supervised way.

The platform handles patient clinical records, appointments, prescriptions, doctor notes, weight and BMI history, and integrates with regulated providers including e-prescription (SignatureRX), scheduling (Cronofy), and patient-communication channels (MessageBird, SendGrid, AWS SNS), all under EU GDPR including special-category health data.

### Backend & Platform Engineering

- Own end-to-end delivery across the backend (NestJS / TypeORM / PostgreSQL), medicalstaff web frontend (React), React Native mobile app, and serverless workloads on AWS Lambda.
- Ship features that span repositories — backend, frontend, mobile, and cronjob-lambda coordinating cherry-picks and release branches into a controlled production deployment process.
- Maintain and extend the patient notification system across WhatsApp (MessageBird), SMS, push (AWS SNS), and email (SendGrid).

### Infrastructure, Integrations & Serverless

- Designed and integrated SignatureRX e-prescription for NI/UK clinicians, including OAuth two-step authentication, smoke-test procedure, and the patient-address payload fix that surfaced via partner pharmacies.
- Built scheduled Lambdas for production diagnostics and reporting, appointment reconciliation, cron cooldown diagnostics, free-slot weekly reporting to Drive, and doctor offboarding via Cognito triggers.
- Built a proof-of-concept internal query tool that lets the Customer Service team ask questions of the BeyondBMI database in natural language, a Flask service backed by the Claude API translates plain English into safe, read-only PostgreSQL queries, with Cognito authentication, audit logging, and a Dockerised deployment path.
- Stood up Bitbucket Pipelines for the cronjob-lambda repo with PR gating and qa/master lint/test/build stages.
- Led the DNS cutover and mail-auth migration from Squarespace to a third-party-built WordPress.com (wpccloud) marketing site, preserving Route 53 as the authoritative zone.
- Stood up analytic.beyondbmi.ie as a dedicated analytics subdomain on Route 53, isolated from the application clusters and the marketing site so the three workloads scale and fail independently

### Documentation & Knowledge Transfer

- Authored the BeyondBMI architecture knowledge base ~14,900 lines of Markdown across system architecture, backend and frontend deep-dives, mobile and local-dev setup, database access and security, patient journey flow, infra daily checklist, and operational runbooks for prescription flow, Stripe integration, user deactivation, patient cooldown reset, patient email change, and the marketing-site migration.
- Established the engineering handover document used to onboard new contributors and to bridge

- between non-technical stakeholders and the codebase.
- Mirrored the source-of-truth Markdown into Notion so non-engineering teams (Customer Service, Operations, leadership) can read the same content without needing repo access.

## Security & Compliance

- Led a GDPR-driven security audit of the BeyondBMI platform spanning backend, two web frontends, mobile, and the Lambda fleet, producing a prioritised remediation backlog of seven workstreams covering High and Medium-priority risks across every layer of the stack.
- Surfaced and triaged High-priority GDPR risks at the data boundary: patient PII in backend application logs and DB credentials in git history; patient emails in CloudWatch logs and PII columns in Google Drive CSV exports from the Lambda fleet; patient and doctor IDs leaking to a third-party Tally iframe on the medicalstaff frontend; and Sentry capturing sensitive data on the mobile client.
- Scoped the CI/CD security-scanning rollout across all repositories, secret scanning and dependency CVE checks to prevent regression of the same class of leak after remediation.
- Scoped the patient-access audit log discovery work to underpin GDPR Article-15 data-subject access requests and Article-30 records-of-processing obligations.

## Frontend & Mobile

- Delivered the Analytics module in the medicalstaff frontend, 7 reports across capacity, customer, and utilisation views, built with ApexCharts.
- Led the React Native mobile platform's migration from the bare workflow to Expo Prebuild and designed end-to-end mobile CI/CD on Bitrise, Fastlane lanes for iOS and Android, Match certificate storage moved from Git to S3, custom Expo config plugins (Android release signing, BootSplash iOS-safety, vector-icon font registration, controlled Sentry workaround), and lint plus Expo prebuild stages added to Bitbucket Pipelines for PR gating.
- Coordinated and shipped a 23-ticket mobile production release covering onboarding flow restructuring, sign-in error UX, Amplify v6 error translation, and the mobile-to-web SSO bridge

## Stakeholder & Process

- Translate non-technical stakeholder requests (Customer Service, Operations, leadership) into scoped engineering work, communicating progress in plain language for non-technical audiences.
- Established the team's release branch and cherry-pick process — release cut from master, only ready commits cherry-picked, no QA/dev merges into master — to stop unintended changes reaching production.

## Key achievements

- Delivered the platform's first end-to-end e-prescription channel by integrating SignatureRX for NI/UK clinicians across 5 zero-downtime deployments in a 12-hour window, opening the Northern Ireland market and retiring the manual print-and-post workflow with McKeever's.
- Migrated the React Native mobile app from bare workflow to Expo Prebuild and designed end-to-end mobile CI/CD on Bitrise (Fastlane lanes, Match certificates moved Git → S3, custom Expo config plugins), replacing a brittle manual release process with a predictable mobile release cadence.
- Coordinated and shipped a 23-ticket mobile production release covering onboarding restructuring, per-category sign-in UX, and the mobile-to-web SSO bridge, clearing months of accumulated improvements and materially lifting onboarding.
- Migrated the staff calendar from Cronofy reads to a database-backed source of truth and added silent-failure detection on Cronofy writes, ending the recurring "missing appointment" tickets that had been a long-running source of clinician complaints.
- Established and operate a daily production health-check across pods, nodes, API latency, 5xx rate,

Postgres connection saturation, and same-day video-room readiness, surfacing infrastructure and data issues before patients or clinicians notice them.

- Recovered from a production EKS add-on install-order incident and documented a Pod Identity Agent first-install rule, restoring observability quickly and preventing recurrence in future rollouts.
- Ran a source-code compliance audit across backend, two web frontends, mobile, and the Lambda fleet ahead of CI/CD secret-scanner rollout, producing a prioritised cleanup backlog covering committed credentials, PHI in CloudWatch and Drive exports, and patient-data handling at integration boundaries.
- Built and deployed the cooldown diagnostic Lambda that surfaced ~115 false notification triggers in a 9-day window, evidencing the gap and triggering the Phase 2 enforcement fix.
- Delivered the GDPR security remediation roadmap for BeyondBMI: seven prioritised workstreams across backend, two web frontends, mobile, and the Lambda fleet, covering committed credentials, patient PII in logs and exports, third-party iframe data leakage, mobile sensitive-data capture, end-of-life framework exposure, CI/CD security scanning, and patient-access audit logging.

## Tech stack

- **Backend:** TypeScript, Node 18, NestJS, TypeORM, PostgreSQL, Redis
- **Frontend:** React, TypeScript, ApexCharts
- **Mobile:** React Native, Expo
- **Serverless:** AWS Lambda (Node 18)
- **Cloud & infra:** AWS (EKS, Lambda, S3, Cognito, SNS, CloudWatch, IAM), Kubernetes
- **CI/CD:** Bitbucket Pipelines
- **Integrations:** SignatureRX, Cronofy, MessageBird (WhatsApp), SendGrid, AWS SNS
- **AI-augmented development:** Claude Code as a daily multiplier for design, implementation, and review
- **DNS & marketing platform:** AWS Route 53, WordPress.com (wpcloud / Automattic Atomic), SPF / DKIM / DMARC authentication
- **Documentation:** Markdown source-of-truth mirrored into Notion
- **Security & compliance:** GDPR (Article 15 / Article 30 readiness), PII / PHI handling at integration boundaries, secret scanning, dependency CVE management, third-party iframe data containment, Sentry sensitive-data filtering, end-of-life framework risk management, CI/CD security gating
- **Healthcare data:** patient clinical records, special-category data under GDPR, e-prescription (SignatureRX), regulated provider integration

## GRUPO LOYAL, Barcelona, Spain October 2025 – Dec 2025 |

### Freelance Trainer

Training company delivering upskilling programmes to engineering and QA teams at its corporate clients. Engaged on a remote, hourly basis to design and deliver bespoke courses in both Spanish and English, tailored to each cohort's existing toolchain and skill level.

### Courses delivered

- Jira Software — Reporting and Dashboards
- Jira Software — Standardisation and Best Practices
- Test Automation with Selenium WebDriver and JMeter
- CI/CD with Jenkins and GitHub, Cucumber, SOAPUI, Jasmine, and mocking
- Python Programming

- Machine Learning Application Development with Python (scikit-learn, Pandas, NumPy, Hugging Face Transformers, Gymnasium)

## **BLUEFACE (a Comcast Company), Dublin, Ireland — Jan 2021 – Jul 2025 | Software Architect | Software Developer | NOC Engineer**

UCaaS provider delivering VoIP white-label solutions to resellers across the US, EU, and Asia. Reported to the IT Director.

### **Software Architect**

- Translated Product Management requirements into technical designs and coordinated delivery with cross-functional squads (Project Manager, UX, Backend, Frontend, DBA, QA, Business Analyst).
- Designed scalable, maintainable solutions on a microservices architecture, ensuring clean integration across platform components.
- Ran delivery using Scrum, owning sprint planning, technical grooming, and stakeholder alignment through the project life cycle.

### **Software Developer**

- Built automation tools that significantly reduced manual NOC workload — directly contributing to the +40% improvement in incidents resolved (see Key Achievements).
- Delivered custom internal applications end-to-end: Angular / TypeScript / Bootstrap on the frontend, Python / Flask / PostgreSQL on the backend, exposed via REST APIs.
- Stood up CI/CD with Jenkins, containerised services with Docker, automated deployments with Ansible, and orchestrated async messaging with RabbitMQ.
- Built monitoring and logging dashboards in Grafana and Graylog to surface system health and improve mean time to detect.

### **NOC Engineer & Jira Administrator**

- Triaged and prioritised incoming service requests, resolving incidents and problems against agreed SLAs.
- Administered Jira Software, Jira Service Management (ITSM), Confluence, and Bitbucket, designing custom workflows, automations, and reports to embed Scrum and Kanban practice across teams.
- Partnered with the Management desk on team-performance initiatives and coordinated with the Release Manager on Change Management.
- Led the Atlassian Server-to-Cloud migration of Jira Software and Confluence for the full development organisation, pivoting from JCMA to a manual cutover when project and team complexity exceeded its safe automation envelope.
- Acted as a mentor in the company's internal mentoring programme.

### **Key achievements**

- +40% improvement in incidents resolved by the NOC team through automation and process redesign..
- Met SLAs on 100% of P1 incidents.
- Implemented Jira IT Service Management from scratch for Platform Engineering and Operations projects, boards, automations, workflows, reports, and ticket procedures.
- Led the migration from Zendesk to Atlassian across Operations and Engineering.
- Migrated Jira Software and Confluence from Atlassian Server to Cloud for the entire development organisation, workflows, automations, and permission schemes preserved end-to-end.

- Introduced Agile practice from scratch for the Engineering Platform teams.
- Led the NOC-side customer migration process and managed platform-wide audit projects.
- Built KPI / OKR reports and dashboards consumed by the Management team.

### **Tech stack**

- Backend: Python, Flask, REST APIs, PostgreSQL, Redis
- Frontend: Angular, TypeScript, JavaScript, HTML5, CSS, Bootstrap
- DevOps & infra: Docker, Kubernetes, Jenkins, Ansible, RabbitMQ, Bitbucket, GitHub
- Monitoring & ops: Grafana, Graylog, VMware vSphere, Bareos, OpenManage Enterprise
- Identity & access: Azure AD (Microsoft Entra ID), LDAP, OpenVPN
- Ways of working: Scrum, Kanban, Jira Software / EazyBI, Jira Service Management, Confluence, Zendesk

## **SENTIENT, Dublin, Ireland May 2019 – January 2021 | Full Stack Software Developer**

Holding company for two SaaS products , Scorebuddy (QA and analytics platform for call centres) and Flightbuddy (real-time disruption notifications for airline passengers, integrated with IATA and customers' web services). Embedded in a full-stack development team. Reported to the Head of Technology.

### **Product Engineering**

- Maintained and extended both SaaS products end-to-end, resolving production bugs in coordination with the Customer Service and Customer Experience teams and shipping new features prioritised by the Account Management team.
- Gathered and analysed client requirements directly with stakeholders at customer organisations including Ryanair (Ireland) and Volaris (Mexico), delivering bespoke solutions documented as Change Requests.
- Maintained and extended Flightbuddy's linked tooling, including the EU261 passenger compensation forms and the Quotations Manager.
- Worked under Agile (Scrum and Kanban) following SDLC principles.

### **Key achievements**

- Rebuilt the company website and migrated the frontend to Vue.js.
- Refactored a body of legacy PHP scripts to a structured MVC architecture, reducing duplication and improving maintainability.

### **Customer base**

- Ryanair, Lauda, Malta Airlines, Frontier, Volaris (Flightbuddy); plus the Scorebuddy customer base across the call-centre / QA sector.

### **Tech stack**

- Backend: PHP, Laravel, PHPUnit, MySQL, SOAP web services, scheduled tasks via Artisan / Composer
- Frontend: JavaScript, jQuery, Vue.js, Angular, Node.js, Twig, Bootstrap 4, HTML5, CSS3
- Testing: Selenium WebDriver, integration / unit / exploratory test design
- CI/CD & version control: Bamboo, Bitbucket, Git, SVN

## **JUVO DIGITAL AGENCY, Dublin, Ireland Feb 2018 – May 2019 | Team Leader | Full Stack Developer | Scrum Master**

Digital web design agency delivering bespoke client solutions across multiple sectors. Led a multidisciplinary team of designers and developers based in Ireland and internationally.

### **Engineering Delivery**

- Gather client requirements and translate them into bespoke web applications with a strong UX/UI focus.
- Defined system architecture and selected technology stacks to match each client's constraints and budget.
- Designed and built REST APIs, custom WordPress plugins, and integrations with third-party services.
- Authored unit, integration, and exploratory test suites to safeguard release quality.

### **Platform & Process**

- Rebuilt the agency's own website by migrating from WordPress to PHP/Laravel, with CI/CD pipelines on Bitbucket and Bamboo and automated
- QA testing in pre-production environments.
- Introduced Agile practice agency-wide — deployed Atlassian tooling to manage customer projects, prioritised backlogs, ran sprint planning, and facilitated all Scrum ceremonies.

### **Team Leadership**

- Led a multidisciplinary team of permanent staff and freelance contractors, growing the development team to meet new client demand.
- Mentored junior and interim developers, raising baseline code quality and delivery confidence across the group.

### **Key achievements**

- Built a bespoke modular CMS on PHP/Laravel that became the agency's delivery foundation for new client projects.
- Delivered a custom office-supplies platform serving suppliers, dealers, and end customers in a single workflow.
- Designed and built real-time dashboards, reports, and APIs ingesting telemetry from IoT-enabled coffee machines.
- Formalised the requirements-gathering and analysis process, improving stakeholder engagement and reducing scope churn on bespoke builds.

### **Tech stack**

- Backend: PHP, Laravel (with Laracom, Asgard CMS), PHPUnit, MySQL
- Frontend: JavaScript, jQuery, AngularJS, Node.js, HTML5, CSS3, Bootstrap (responsive design)

- APIs & integrations: REST API design, WordPress plugin development
- DevOps & cloud: Bitbucket, Bamboo, Git, SourceTree, AWS
- Ways of working: Scrum, Kanban, Atlassian (Jira, Confluence)

## **ALTV, Dublin, Ireland May 2016 – Feb 2018 | Head of Web Development Department**

SaaS video platform for video producers targeting the Middle East and North Africa, delivered across web and mobile with content in Arabic, French, and English. Led a multidisciplinary team of system administrators, backend developers, frontend developers, and QA, collaborating closely with the CEO, CTO, Product Managers, and external partners.

### **Department Leadership**

- Introduced Agile from scratch across the engineering team — created epics, user stories, and acceptance criteria as Jira administrator and facilitated sprint planning, estimation, dailies, demos, and retrospectives.
- Set the department's quarterly objectives and team roadmaps in alignment with business goals; led priority and planning meetings with Product Management.
- Managed internal and external stakeholder projects, including coordination with CEO, CTO, Product Managers, SysAdmin, and third-party suppliers.
- Owned release coordination with the systems team and managed Change Management for production releases.

### **Hands-on Engineering**

- Stayed actively hands-on in coding, code reviews, troubleshooting, and implementing key features across frontend and backend — mentoring the team by example.
- Led the design and build of the mobile app (hybrid, Ionic), the public website, the content CMS, and the platform's REST API, following SDLC principles.
- Built reusable AngularJS directives (video thumbnails, carousels, content blocks) consumed across the platform.
- Evolved CI/CD pipelines on Bitbucket and Bamboo with the team and defined manual and automated test coverage with QA.

### **Key achievements**

- Rebuilt the company's main website end-to-end.
- Released the first version of the mobile app on Ionic, extending the product beyond the web.
- Delivered measurable web performance gains by introducing AngularJS lazy loading and optimising scripts, CSS, and templates.
- Improved collaboration between engineering and the wider business by formalising stakeholder cadences and documentation standards.
- Strengthened team cohesion and performance through Agile coaching, clear roadmap ownership, and lead-by-example mentoring.

### **Tech stack**

- Frontend: AngularJS 1.x (MVC), Ionic (hybrid mobile), Node.js, npm, Grunt, Bower, HTML5, CSS3, SASS, Bootstrap 4, JSON
- Backend: PHP, Laravel, MySQL, Memcache
- APIs & integration: REST API design, third-party video and CDN services
- Cloud & media: AWS (S3), Ooyala (video encoding), Akamai CDN
- CI/CD & version control: Bitbucket, Bamboo, Git, SourceTree
- Testing: Karma, Jasmine (unit), Selenium WebDriver, integration and exploratory testing

- Ways of working: Scrum, Kanban, Atlassian (Jira, Confluence)

## **HMH Houghton Mifflin Harcourt, Dublin, Ireland Oct 2014 – May 2016 | Senior UI Engineer (contractor)**

Contracted into HMH's Dublin engineering team to design and build user interfaces for a complex SaaS education platform serving US schools.

- Built reusable AngularJS directives and API service layers consumed across the platform's frontend, working closely with backend and product teams.
- Authored unit test coverage in Karma and Jasmine to safeguard frontend releases.
- Worked under Scrum, with Atlassian (Jira) managing the team workflow.

### **Key achievements**

- Delivered the product's marketing website and operational dashboard end-to-end as a greenfield contributor.
- Member of the winning team at the HMH Hackathon 2015.

### **Tech stack**

- Frontend: AngularJS 1.x (MVC), Node.js, jQuery, Lodash, HTML5, CSS3, LESS, JSON, XML, REST APIs
- Build & tooling: Grunt, Bower
- Testing: Karma, Jasmine
- Version control & CI: Git, Bitbucket, Bamboo, SourceTree
- Ways of working: Scrum, Atlassian (Jira)

## **Brite:Bill , Dublin, Ireland July 2014 – Oct 2014 | Senior Frontend Developer - contractor**

Contracted to develop the user interface for an e-billing project delivered for Vodafone, a major Brite:Bill customer.

- Built AngularJS 1.x interfaces consuming the Vodafone API to render customer e-bills, working within Vodafone's Simplicity Framework.
- Delivered the frontend layer following an MVC architecture, with SASS for styling and JSON over REST for data integration.
- Worked under Agile methodology, reporting to the Project Manager.

### **Tech stack**

- Frontend: AngularJS 1.x (MVC), Vodafone Simplicity Framework, SASS, HTML5, CSS3, JSON
- APIs & integration: REST APIs, Vodafone API
- Build & deployment: Maven, Apache Tomcat, shell scripting
- Version control: SVN
- Ways of working: Agile

## **Huggity , Dublin, Ireland Jun 2013 – Jun 2014 | Senior Full-Stack Web/Mobile Developer**

Built and maintained interactive multimedia web applications for social-media tagging, spanning desktop (Adobe Flash) and mobile platforms with a strong emphasis on UX/UI and bespoke client customisation.

Reported directly to the CTO.

### **Engineering Delivery**

- Developed responsive mobile web UIs using HTML5, CSS3, JavaScript, jQuery, jQuery Mobile, and PHP.
- Integrated multimedia viewers — Zoomify (HTML5/JS) and Krpano (AS3/JS) to deliver high-resolution and panoramic content within the platform.
- Built native Android applications in Android Studio for client-facing workflows.
- Integrated Facebook, Twitter, and LinkedIn APIs to power social-media tagging features.
- Designed and implemented bespoke client features from functional requirements gathered with stakeholders.
- Maintained existing Adobe Flash / ActionScript 3 components alongside the modern HTML5 stack.

### **Key achievements**

- Built a mobile web application for social-media tagging end-to-end, used across multiple client campaigns.
- Optimised mobile performance by generating pages dynamically through jQuery, AJAX, PHP, and MySQL.
- Designed a configuration-driven maintenance process using XML and JSON, reducing per-client setup effort.
- Created gamification modules for the mobile platform to drive user engagement.
- Built an Android application that uploaded event photos from camera-connected mobile devices to Amazon S3 — used by professional photographers during client events.

### **Tech stack**

- Frontend: HTML5, CSS3, JavaScript, jQuery, jQuery Mobile, AJAX
- Multimedia: Adobe Flash CS5, ActionScript 3, Zoomify, Krpano
- Backend: PHP (OOP), MVC architecture
- Mobile: Android (Android Studio)
- Cloud: AWS (S3)
- Data formats: JSON, XML/DTD
- Databases: MySQL, SQLite
- IDEs: Eclipse, Flash Developer, NetBeans
- Version control & ops: SVN, shell scripting

## **EARLIER EXPERIENCE — SPAIN (2006 – 2013)**

Software Developer / Senior Developer / Team Lead

Worked across multiple IT consultancies in Spain, embedded on customer sites to design, develop, and maintain complex enterprise applications on Java/J2EE and LAMP stacks. Industries served included insurance, aviation traffic control, government, energy, telecommunications (ISPs), and high-traffic job-board portals.

- Designed, developed, and maintained enterprise solutions for regulated and high-availability customer environments.
- Worked across the full delivery lifecycle — analysis, design, implementation, integration, and post-release maintenance.
- Took on team leadership responsibilities, coordinating mixed permanent and contractor groups on customer-side engagements.

## Tech stack

- Backend: Java/J2EE (Spring, Struts, JPA, JDBC), PHP, ASP, ASP.NET, Documentum
- Frontend: JSP, HTML, CSS, JavaScript, jQuery
- Databases: Oracle (PL/SQL), MS SQL Server, MySQL
- Servers: Apache Tomcat, WebLogic, JBoss

## TEACHING & TRAINING (1996 – Present) — Freelance Technical Trainer / Educator

- Long-running teaching practice running alongside my engineering career. Delivered courses at technology institutes and private academies in Peru, Spain, and Ireland, in both Spanish and English, to multidisciplinary cohorts.
- Course portfolio — Web programming (HTML5 / CSS3 / JavaScript / PWA), Backend (Java, PHP / Laravel, Python / Flask, MySQL), Python and Machine Learning application development (scikit-learn, Pandas, NumPy, Hugging Face Transformers), Test automation (Selenium WebDriver, JMeter, BDD / TDD), Agile and Atlassian tooling (Scrum, Kanban, Jira administration and reporting).

## TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript, Python, Java, PHP, SQL, HTML5, CSS3, SASS
- **Frontend:** React, React Native, Angular, AngularJS, Vue.js, Ionic, jQuery, Bootstrap, ApexCharts
- **Backend & APIs:** Node.js, NestJS, Express, Flask, Laravel, Spring, J2EE, Struts, JSP, REST APIs, SOAP, microservices
- **Databases:** PostgreSQL, MySQL, MariaDB, SQL Server, Oracle, PL/SQL, TypeORM, JDBC, JPA
- **Caching & Messaging:** Redis, Memcached, RabbitMQ
- **Cloud:** AWS (EC2, Lambda, S3, EKS, Cognito, SNS, CloudWatch, Lightsail, Transfer Family, IAM), Azure (Entra ID), GCP
- **DevOps & CI/CD:** Docker, Kubernetes, Jenkins, Bitbucket Pipelines, GitHub Actions, Bamboo, Ansible, Git, SVN
- **Monitoring & Ops:** Grafana, Graylog, VMware vSphere, Bareos, OpenManage Enterprise, CloudWatch
- **Testing & QA:** Selenium WebDriver, JMeter, JUnit, PHPUnit, Karma, Jasmine, Cucumber, SOAPUI, TDD/BDD
- **Architecture:** Microservices, MVC, design patterns, UML, event-driven systems
- **AI / ML:** AI-augmented development (Claude Code, GitHub Copilot), scikit-learn, Pandas, NumPy, OpenCV, TensorFlow, Hugging Face Transformers
- **Integrations:** SignatureRX (e-prescription), Cronofy (scheduling), MessageBird (WhatsApp), SendGrid (email), Stripe
- **Tools & Platforms:** Jira (Software, Service Management), Confluence, Bitbucket, Zendesk, EazyBI, MS Power BI, WordPress, Magento, PrestaShop, Moodle
- **Methodologies:** Scrum, Kanban, Lean, SDLC, ITIL, Agile Project Management, Change/Incident/Problem Management

## SOFT SKILLS

- Technical writing, public speaking (English + Spanish), cross-cultural team leadership, root-cause analysis, mentoring at scale.

## CONTINUOUS EDUCATION

### Education

- 2023: QQI level 6 Project Management, Professional Development, Ireland
- 2024: QQI level 6 ILM Leadership and Management, Kerry College *of Further Education*, Ireland
- 2013: Development of Multiplatform Applications, SEAS College, Spain
- 1998 - 2001: Systems Engineering, Technological University of Perú - UTP, (62 credits)
- 1994: Analyst and Programming, Instituto Luisa Caceres de Arismendi, Venezuela

## CONTINUOUS PROFESSIONAL DEVELOPMENT

- Business Continuity
- Green Software
- MS-Azure
- Pattern Design and Struts
- Software Engineering and Efficient Test Design
- UML & Rational Rose
- J2EE-Web Development, JSF, Spring
- Java Programming, JPA
- Data Protection
- People Management
- ITIL Foundation v3
- MS-Project 2007: Cost Management
- MS-Projects 2007: Project Management
- Teamwork
- e-Commerce
- e-Business
- OS Linux Advanced
- Technical-Professional Training
- SQL Server Fundamentals
- SQL Server Advanced