

# Marco Velasco Martinez

Software Engineer, Software Application Developer, Systems Integrator, Java / Javascript developer

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Software Engineer with 15+ years of experience implementing and delivering software solutions in the healthcare, fintech, and other fields. Lately focused on Node.js and AWS services. Experience throughout my career working with Java, building distributed data pipelines, microservices, and CI/CD automation; proven success working remotely within distributed internationally agile teams. During my career, I've used multiple technologies, with varying levels of proficiency.

**Programming Languages:** Java, JavaScript (Node.js), SQL

**Frameworks:** Spring Boot, Apache Camel, Hibernate, among others

**Cloud & DevOps:** AWS (ECS, S3, Lambda, CloudFormation), Docker, Jenkins, Kafka

**Databases:** PostgreSQL, SQL Server, Oracle, MySQL

**Methodologies:** Agile/Scrum, CI/CD, Microservices, Event-Driven Architecture

## PROFESSIONAL EXPERIENCE

### Foundation Medicine — Software Engineer (May 2022 – Present)

Healthcare | Fully Remote (US)

#### Role overview

Software Engineer working on an enterprise-scale clinical report delivery platform, focusing on cloud-native modernization and system reliability.

#### Key responsibilities

- ° Collaborate on the re-architecting and tech stack migration of a legacy Java/ActiveMQ reporting platform to a Node.js, Kafka, and AWS-based.
- ° Collaborate on the design, coding and implementation of microservices using Node.js, Docker, Kafka, and AWS services stack and integrate CI/CD tooling across services (Logz.io, Jenkins, SonarQube).
- ° Collaborate closely with Principal Engineers to identify all of the features of the legacy system, define system capabilities, migration strategy, and future extensibility.
- ° Coordinate as needed with upstream and downstream teams to ensure reliable cross-system integrations.

#### Highlights

- ° The work that my team and I did reduced report-generation issue resolution time from days to minutes
- ° For some of the AWS services integration I did migrate the existing old version Javascript code to a newer one, along with creating test scripts that facilitate the debugging and verification of the implemented code.
- ° Led of developing new libraries focused on some specific work in the new architecture.
- ° Enabled a more flexible and customizable reporting infrastructure supporting enterprise healthcare workflows.

### Unosquare — Java Software Engineer (Sep 2019 – May 2022)

Healthcare | Consultant

Client: Foundation Medicine

#### Role overview

Java Software Engineer contributing to distributed healthcare data-integration systems.

#### Key responsibilities

- ° Maintain, support, add features to a legacy Java/ActiveMQ reporting platform
- ° Maintain and support data integration pipelines using Java, Spring Boot, and AWS.
- ° Coding and implementation of new requirements and bug fixing of the existing messaging-based microservices using Apache Camel and ActiveMQ.

- Contribute to feature development, production support, and system maintenance.
- Participate in Agile ceremonies and collaborated with cross-functional teams.

### **Highlights**

- The reliability and scalability for oncology reporting workflows were improved with work that the team and I did.
- I developed and implemented new testing and debugging tools by using Jmeter, custom scripts and mock data/endpoints to create test data that helped the team with reducing the development lifecycle particularly the verification part.
- I helped stabilize production systems through proactive maintenance and incident support.

**Softtek** — Java Software Engineer (Aug 2016 – Sep 2019)

Loyalty Platforms | Consultant

Clients: Kobie Marketing, Maritz Rewards

### **Role overview**

Java Software Engineer working on enterprise loyalty and rewards management platforms.

### **Key responsibilities**

- Develop, maintain and support backend systems using Java, Spring Boot, Apache Camel, JMS, Hibernate, PostgreSQL, and SQL Server.
- Build and maintain SOAP/JAX-WS services and batch-processing components.
- Provide production support, bug fixes, and feature enhancements for rewards systems.
- Act as a flexible team contributor across development, support, and Scrum facilitation roles.

### **Highlights**

- I supported mission-critical loyalty platforms used by major U.S. brands.
- I contributed to improved system stability and delivery by bridging development and operational responsibilities (scrum master).
- I had the opportunity to perform adapting across multiple team roles.

**Tata Consultancy Services** — Java Software Developer (May 2013 – Aug 2016)

Banking | Consultant (US)

Client: USAA Bank

### **Role overview**

Java Software Developer supporting consumer-facing banking platforms.

### **Key responsibilities**

- Maintain and enhance web applications serving banking, insurance, loans, and investment products.
- Develop new features and resolve defects in enterprise scale systems.
- Work with the team located in India to communicate and coordinate development efforts and enable the client engineering and business teams.
- Ensure system reliability and compliance within a regulated financial environment.

### **Highlights**

- Contributed to stable delivery of customer-facing financial services.
- Gained experience working within strict security and compliance constraints.
- Strengthened client-facing consulting and communication skills.
- I built a new development team in Mexico and performed as a team lead, this team performed successfully by delivering regularly on time and as expected in an agile fashion.

**Softtek** — Java Application Developer (Jul 2010 – May 2013)

Technology & Manufacturing | Consultant

Client: General Electric Corporate

### **Role overview**

Java Application Developer supporting global enterprise applications for General Electric.

**Key responsibilities**

- Develop and maintain Java EE applications using enterprise APIs and web technologies.
- Implement enhancements, resolve defects, and provided user support across global teams.
- Collaborate with international stakeholders to ensure application availability and performance.

**Highlights**

- Supported globally used corporate systems with high availability requirements.
- Delivered consistent enhancements while maintaining legacy enterprise platforms.

**INEGI** — Software Developer (Feb 2009 – Jul 2010)

Government Statistics | Consultant

**Role overview**

Java Software Developer supporting internal government statistical systems.

**Key responsibilities**

- Maintain and extend existing Java-based internal applications.
- Implement new features to support national data collection and reporting workflows.
- Provide technical support for internal users.

**Highlights**

- Contributed to systems supporting national surveys and official statistics.

**Asesoría** — IT Coordinator / Web Developer (Apr 2007 – Feb 2009)

Marketing & Digital Services

**Role overview**

IT Coordinator and Web Developer leading small teams and delivering commercial web solutions.

**Key responsibilities**

- Develop and maintain commercial websites using PHP, JavaScript, AJAX, and MySQL.
- Lead and train junior developers and interns.
- Provide IT operations, help desk support, and server administration.
- Manage small-scale infrastructure (Windows Small Business Server).

**Highlights**

- Delivered multiple client-facing web projects end-to-end.
- Built and mentored entry-level technical talent.
- Combined hands-on development with people and IT operations leadership.

**Universidad Tecnológica de Aguascalientes** — IT Management & Web Developer (Jan 2002 – Jan 2005)

Education

**Role overview**

Web Developer and IT Support Specialist in an academic environment.

**Key responsibilities**

- Develop internal web modules using PHP and SQL Server.
- Provide help desk and network support across university departments.
- Maintain uptime of computer labs and internet services.

**Highlights**

- Supported critical academic infrastructure.
- Delivered custom internal applications for university operations.

**ESCAPE Cybercafé** — Owner / Freelancer (Feb 1998 – Jun 2002)

Retail & IT Services

**Role overview**

Founder and operator of a small IT services and retail business.

### **Highlights**

- Launched and managed a cybercafé offering internet access, hardware sales, and technical support.
- Maintained systems, networks, and customer-facing equipment.
- Delivered hands-on IT support to customers.
- Built and operated a profitable small business.
- Developed early customer service, operations, and technical troubleshooting skills.

### **Earlier Experience (2002–2008)**

I worked in the roles of Developer, IT Coordinator, Freelancer, Help Desk, Web developer for commercial sites

### **EDUCATION & CERTIFICATIONS**

**Bachelor in informatics** – Instituto Tecnológico de Aguascalientes

**Technical Computer Programmer** – Centro de Bachillerato Tecnológico Industrial y de Servicios # 168

**Oracle Certified Java Programmer (Java 6)** – Oracle, Dec. 2010

**AWS Certification recommended:** Developer (in progress)

<https://www.linkedin.com/in/marco-velascomartinez/details/certifications/>

### **LANGUAGES**

**English:** Professional working proficiency

**Spanish:** Native

### **RECOMMENDATIONS**

<https://www.linkedin.com/in/marco-velascomartinez/details/recommendations>

### **STRENGTHS**

- Analytical Problem Solving: Adept at debugging and optimizing large-scale distributed systems.
- Continuous Learning: Self-taught across multiple stacks (Java → Node.js → AWS → DevOps).
- Adaptability: Thrives in remote, multicultural, and agile environments.
- Technical Writing: Clear communicator, capable of documenting and presenting technical concepts to non-technical stakeholders.