

Marco Velasco Martinez

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

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Senior 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 some AWS services. Experience during my career working with Java, building distributed data pipelines, microservices, and CI/CD automation; proven success working remotely among a distributed internationally agile teams. During my career, I've used multiple technologies, with varying levels of proficiency, which I list next.

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 | <https://www.foundationmedicine.com/>

May 2022 - Present

Software Engineer | Full remote Phoenix, Arizona, United States

Industry: Healthcare

- Implementation of enterprise-scale report delivery platform on AWS using Node.js, Kafka, and Docker. I play part on the team that worked to re-architect and migrate the whole report delivery plattform from a Java, ActiveMq and others stack to Node.js, Kafka, AWS, which notably improved the efficiency for deployments and development, also allowed for a more flexible, scalable and customizable reporting infrastructure, it reduced the report generation error fixing from days to minutes, the customer support became more prompt and easy.
- Collaborate with cross-functional teams to enhance platform observability and CI/CD automation (Logz.io, Jenkins, SonarQube).

Unosquare | <https://www.unosquare.com/>

Sep 2019 - May 2022

Java Software Engineer | Remote Consultant Guadalajara Area, Mexico

Clients: Foundation Medicine

Industry: Healthcare

- Developed data-integration pipelines for oncology healthcare reporting using Java, Spring Boot, and AWS.
- Implemented messaging patterns with Apache Camel and ActiveMQ to support distributed microservices.
- Participated in Agile ceremonies, contributing to system scalability and data reliability improvements.

Softtek | <https://www.softtek.com/>

Aug 2016 - Sep 2019

Java Software Engineer | Consultant Aguascalientes Area, Mexico / St. Petersburg FL. USA.

Clients: Kobil Marketing, Maritz Rewards

Industry: Loyalty Management Platform Provider

- I worked in a couple of projects related to the rewards management area. In these projects, primarily involved with technologies, APIs and frameworks like, JAX-WS, SOAP web services, JMS, JAXB, EJB, hibernate, PostgreSQL, SQL server, Apache Camel, Spring-boot, spring batch, liquibase.

- The activities I had for the first project (Kobie) where mainly Java software engineer, I joined a team that took care of the rewards system of the company to offer customer support, solve issues, maintain and add new features.
- Then, I joined a team where several development and support teams were taking care of the client systems and I performed as a flexible engineer where I acted as a developer, scrum master, support as needed.

Tata Consultancy Services | <https://www.tcs.com/> May 2013 - Aug 2016
Java Software Developer | Consultant Guadalajara Area, Mexico / Onsite San Antonio, Texas
Clients: USAA Bank
Industry: Banking

- I performed as a Software developer and consultant for the USAA Bank, supporting, maintaining and adding features to their web portal which offers a variety of services and products such as, car buying service, consumer loans, investments, insurance, etc.

Softtek | <https://www.softtek.com/> Jul 2010 - May 2013
Java Application Developer | Consultant Aguascalientes Area, Mexico
Client: General Electric Corporate
Industry: Technology and Manufacturing

- Global IT Solutions provider company, based in Mexico with offices around the world; I performed as a Software developer consultant for GE corporate applications making use of Java EE apis and libraries like jQuery. My activities covered from coding enhancements, bug fixing, maintenance, to provide support to the users of the app around the world.

INEGI | <https://www.inegi.org.mx/> Feb 2009 - Jul 2010
Software Developer | Onsite Aguascalientes Area, Mexico
Industry: Government statistics

- This is a Mexico's government related company which runs national surveys and manages info and statistics about different sectors. I performed as a Java developer, my main activity was to support and add features to the internal existing systems.

Asesori | <https://www.asesori.com/> Apr 2007 - Feb 2009
IT Coordinator / Web Developer | Onsite Aguascalientes Area, Mexico
Industry: Marketing

- I had the opportunity to work as a web developer for Commercial websites and Software developer also, performed as the coordinator of the Information Technology area, leading the trainees. My main activities were to develop, maintain and support web sites based in PHP language, offer help desk services, maintenance and support; to train and develop freshers who joined the company. I worked with tools and frameworks like PHP, Javascript, Ajax, MySQL, MS SQL, Dreamweaver, Photoshop, Windows Small Business Server.

Universidad Tecnológica de Aguascalientes | <https://www.utags.edu.mx/> Jan 2002 - Jan 2005
IT Management and web developer | Onsite Aguascalientes Area, Mexico
Industry: Education

- I worked as a Web developer, and also cover the help desk role.
- I was part of the help desk staff team whose main activities were to maintain up and running all network and internet services and computers in the University.
- I was in charge of new modules development based in PHP/SQL server platform.

ESCAPE Cybercafé Feb 1998 - Jun 2002

Owner, Freelancer | Onsite Aguascalientes Area, Mexico

Industry: Retail services

- I established my own business to offer internet browsing services, computers and accessories selling etc..

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>

SELECTED ACHIEVEMENTS

Integration Platform – Foundation Medicine

- I re-wrote most of the existing code that does the work to copy files from an AWS S3 source from basic javascript and old AWS SDK to a newer version of Javascript AWS SDK, including making it more generic for easy integration with other code modules.
- I collaborated with layout of the new architecture, and re-implementation of an already existing Java-based system.

Rewards Software – Maritz / Kobie Marketing

- Supported development and maintenance of loyalty systems for major U.S. retail brands.
- Built backend modules and provided training and code reviews for new teams.

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.