Mario Murillo

Software Engineer with 11+ years of experience in computer science and software development with different programming languages. Extensive understanding of designing and architecting highly scalable and performant systems.

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EXPERIENCE

TravelX, Remote — *Blockchain Software Engineer*

JULY 2022 - PRESENT

· Developed a back–office tool in React to display information related with transactions to the Algorand blockchain.

· Created a metadata service to handle information related to flights and NFTickets using React, and NodeJS, resulting in a faster and more flexible development environment.

· Developed requirement tasks for backend solutions with Kotlin, resulting in developer productivity improvements.

Commure, Remote — *Senior Engineer*

AUGUST 2020 - APRIL 2022

· Increased server query response time by 15% by analyzing and improving queries against the database.

· Migrated database between CockroachDB to PostgreSQL to improve performance of the project, by implementing database migrations, writing queries and refactoring code.

· Developed and maintained backend solutions with Rust for a Healthcare platform with 100,000s of users, using TDD, CI, and code review processes.

Merlin, Colombia/Hibryd — *Senior Backend Engineer*

MAY 2019 - AUGUST 2020

· Develop web services and Backend solutions with Java, Go and Python on Google cloud platform.

· Reduced server query response time for the top 10% of queries by 20% by refactoring API endpoints, resulting in an increase of page views for the site.

· Led a major rewrite of the matching machine project to increase performance and deprecate legacy code.

· Created new Datadog metrics, to monitor the APIs' response time, in order to identify performance issues.

SKILLS

Programming Languages: Rust, Go, Java, Python, Kotlin, Typescript, Node.JS, Javascript

Technical Skills: SQL, NoSQL, Redis, MongoDB, PostgreSQL, Kasandra, Kafka, ElasticSearch, Docker, Kubernetes, Microservices, REST, gRPC, GCLoud, AWS, Azure, Scrum

Languages: English, Spanish

AWARDS

Most Shippable Product
Commure Hackathon 21.

1st international congress on project management
Attendance to the congress issued by PMI Colombia.

Almundo, Colombia — *Senior Backend Developer*

JULY 2018 - MAY 2019

· Developed campaigns system with Mailchimp, improving email open rate by 4% and click-through rate by 10% by introducing new newsletter templates and automatic email triggers.

· Designed, developed, and launched a Promocodes solution that 6% of users on our platform utilized, resulting in a 15% increase in annual gross bookings.

· Integrated the platform with Santander Rio and Davivienda banks.

SEONTI, Colombia — *Scrum Instructor*

SEPTEMBER 2018 - OCTOBER 2018

· Designed, developed and delivered the scrum course to organizations seeking to adopt agile development methodologies.

· Developed and delivered a 5-days Scrum Developer training course to 50+ students for a large company bank.

PayU, Colombia — *Software Engineer*

MARCH 2015 - JULY 2018

· Created integration with PSE payment method in payment gateway PayU, increasing payments by 6.7% in the first year.

· Improved application performance and scalability by migrating from a monolithic platform to a microservice architecture to decouple services, reduce dependencies, improve responsiveness decreasing deployment time from 10 minutes to 3 seconds with no downtime.

· Developed different integrations with payment methods, which provided more flexibility for our customers.

Global Hitss, Colombia — *Senior Software Java Developer*

NOVEMBER 2013 - FEBRUARY 2015

· Created a black list system for IMEIs for telecommunications company CLARO, which blocked more than 300 thousand devices within one month after release, by developing a Java application that used a database to verify IMEIs against a black list.

· Developed integration between AMDOCS and CLARO telecommunications company using SOAP and JMS.

· Developed, deployed and supported Elegidos CLARO, a Java based web application to over 30,000 users from across Latin America and the Caribbean, that allows mobile phone users to select the benefits of their plan.

Stefanini, Colombia — *Java Software Developer*

APRIL 2013 - NOVEMBER 2013

· Developed a MFS platform for Software Factory of Tigo (Millicom International) with Java programming language, in a team of 15 people to produce a product that serves over 30.000 users with a 99.9% uptime.

· Analyzed and Designed a scoring service for Millicom International with Service Oriented Architecture (SOA), streamlining the process for customers to purchase items on their mobile phones.

· Developed a USSD promotions service for Bogota telecommunications company ETB with RUP that resulted in a 25% increase in sales in 3 months.

Heinsohn, Colombia — *Software Developer*

MARCH 2011 - APRIL 2013

· Developed a Customer Relationship Management (CRM) system by using Oracle Enterprise Suite, Oracle weblogic server 11g and Oracle 11g Enterprise database in order to improve the company's productivity and reduce operating costs.

· Designed system components in UML with specialized software Enterprise Architect, creating a blueprint for implementation of the software design.

· Developed different features for voluntary pensions company PROTECCION with Scrum as agile framework and JEE5 architecture, which resulted in a more robust and reliable system, and a more satisfied user.

EDUCATION

University of Quindío —Bachelor of Engineering (B.E.)

July 2005 - April 2013

Computer Science.

Oracle — Certification

December 2011

Oracle Certified Professional, Java SE 6 Programmer

Scrum Agile Institute — Certification

February 2018

Scrum Master Instructor

Scrum Agile Institute — Certification

February 2018

Scrum Developer Instructor