

David Santiago Malagon Caballero

SYSTEMS ENGINEER - SENIOR FULL STACK DEVELOPER

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PROFILE

I am a Systems Engineer and Senior Full Stack Developer with 5 years of extensive experience in developing, managing, and leading software projects and requirements using technologies such as Node.js, Python, Go, Java, Angular, and React, as well as the Scrum methodology. I am known for my strong problem-solving skills, creativity, leadership, teamwork, assertive communication, and fast learning ability.

In addition, I have experience in managing projects from planning to production implementation, including banking and security projects, mobile application development, highly transactional systems, mobile operators, electronic billing, and discount systems in web applications, among others. In these projects, I have worked with various teams within the company to ensure success. I excel in both front-end and back-end development, as well as software architecture, which has allowed me to gain valuable experience in technical leadership of development teams.

My passion for what I do has driven me to learn from all areas, enabling me to tackle problems efficiently, resulting in high-quality, impactful outcomes. I am excited to take on new challenges that will allow me to grow and continue to deliver exceptional results.

SKILLS

Frontend Development: JavaScript, HTML, CSS, Angular, React.

Backend development: Node.js, Go, Spring Boot, Java, Php, Python and Selenium.

Mobile development: Android, IOS, Ionic, React Native.

Databases: PostgreSQL, MySQL, Oracle, MongoDB, RDS, DynamoDB and CosmosDB.

Architecture: Cybersecurity, Terraform, Jenkins, Linux, Sonar, Docker, Pipelines, Rest.

Cloud: Amazon Web Services, Azure, Google Cloud.

Tools: Scrum, GitHub, CastleMock, Jira, Figma, Postman and Slack.

WORK EXPERIENCE

SENIOR FULL STACK DEVELOPER - TEACH LEAD

BANCO AV VILLAS. JANUARY, 2022 - MARCH, 2024

I worked as a Senior Full Stack Developer on the credit card bank team. I developed user stories about requirements, projects and security implementations with the Scrum methodology. For the backend, I programmed with Spring Boot, Node.js, Go and Python, and I used Jira, Sonar, Jenkins, CircleCI, Docker and Amazon Web Services like Lambda, DynamoDB, CloudFront, VPC, EC2, and S3 for the development cycle. For the frontend, I used to work with technologies such as Angular, React, Figma, CastleMock and Postman. Due to my good performance I had the role of technical leader for the development team of Credit Card Cel, this was made up of 4 Senior developers, a Senior QA and a Junior QA .

We did a massive continuous integration migration from CircleCI to Jenkins that lasted 1 year, the Infrastructure As Code was created with Terraform for more than 100 components in Amazon web services, and the lambda code was also updated for the correct functioning of the system. This project generated a 40% reduction in cloud costs and process optimization that allowed changes to be deployed 30% faster, in addition to meeting the bank's technology and security guidelines.

We also developed a project to purchase credit card portfolios from other banks, Which allowed the marketing teams to increase the average onboarding by 10%. In addition, we executed a project to acquire credit cards with first purchase in allied businesses, thus increasing placement in new market niches. I was also in charge of design and develop security improvements such as point-to-point encryption systems between components and personal data encryption in order to meet the necessary security criteria to protect the system from any attack and comply with legal regulations.

FULL STACK DEVELOPER - TEACH LEAD

VIRGIN MOBILE COLOMBIA. MARCH, 2020 - OCT 2021

I initially joined as a full stack developer and after nine months, I assumed the role of leader for the billing and support team in the Development area at the national level. I worked with user stories with Scrum and I programmed with Spring Boot, Python, React, Angular, Node.js, PostgreSQL, Git, Jenkins and Amazon Web Services such as Lambda, DynamoDB, SQS, CloudWatch, EC2, and S3.

I was responsible for the analysis, design, and implementation of requirements for various projects. My role included project management and development, particularly in the migration of the SimCard activation system, which involved assisting sellers nationwide to resolve system crashes that hindered the onboarding of new clients, converting stability from 60% to 99%. Additionally, I led the migration of the electronic billing system, enhancing stability and enabling more precise financial closings for the accounting team. This reduced the monthly closing discrepancy from 19% to 2% and allowed the closures to be prepared in a single day instead of a week.

FULL STACK DEVELOPER

IDNETWORKING. JUNE, 2019 - FEB, 2020

I developed software requirements and projects using Java, Selenium, PHP, Angular and PostgreSQL. I carried out the development and implementation of customized software and had the responsibility of speaking and training the company's employees who used the platform to manage their sales and accounting.

I faced the challenge of transforming the web platform into a fast, lightweight, and intuitive hybrid mobile application using Ionic with REST services. The app was successfully launched on both the App Store and Google Play.

EDUCATION

UNIVERSIDAD PILOTO DE COLOMBIA

Systems Engineer - 2022 (graduated with honors)

Leader of the artificial intelligence hotbed and tutor of mathematics and programming

Scientific researcher I y II - 2019

ORACLE ACADEMY

Database Design - 2020

SQL programmer - 2020