

Crisel Ayala

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Software Developer

Experienced backend software developer with a focus on Java and Spring Boot development. Possessing a solid foundation in building robust, scalable backend systems for diverse applications. Skilled in designing and implementing RESTful APIs, database modeling, and optimizing system performance. Proficient in Java technologies such as Spring Framework, Spring Boot, and Hibernate. Experienced in Agile development methodologies, collaborating with cross-functional teams to deliver high-quality software solutions. Committed to staying updated with the latest technologies and best practices in backend development. Excited about the opportunity to leverage my expertise to contribute to impactful projects and drive business success.

EXPERIENCE

Muverang • Medellín, Colombia • 11/2021 — 03/2023

Software Developer

- I've been an integral part of the development team at Muverang, a startup dedicated to sustainable mobility solutions across various Colombian cities.
- At Muverang, I contribute to the Impulsa team, focusing on equipping users with tools to facilitate seamless and efficient vehicle rentals tailored to their needs across multiple platforms. My responsibilities include providing support across various channels (website, transactional portal, Back-Office) and implementing new features to enhance service offerings. Additionally, I leverage external services such as AWS (S3, API Gateway, Lambdas, RDS, SQS, Cognito).
- I also initiated the development of a Telegram BOT to streamline the plan activation and finalization process, incorporating features like Redis cache support and thread management.

PRAGMA • Medellín, Colombia • 09/2021 — 03/2023

Backend developer

- As a member of the Growth and Ecosystems team, I provided support for internal projects such as the Bitacora platform, profile, and vacation management.

RASI • Cúcuta, Colombia • 01/2021 — 09/2021

Full stack developer

- RASI specializes in delivering development solutions to various organizations on a regional scale, alongside offering business process management and consulting services. I was responsible for developing tailored solutions to meet functional requirements for clients using the RASI MEDICAL web platform. This involved utilizing Java and Spring, along with handling persistent data and mapping using JPA and Hibernate. Additionally, I employed JavaScript and jQuery to enhance user interfaces.
- I also contributed to developing functional solutions for clients on the RASI ERP web platform. This involved leveraging technologies such as Java, JSP, JavaScript, and jQuery, while applying design patterns like DAO/DTO. Furthermore, I managed database interactions efficiently using Postgres.
- Created an alert management application to monitor weather stations in six municipalities of Norte de Santander. This involved utilizing Grafana, PHP and SQL.
- Conducted analysis and design documentation for the PLANTAR software.
- Executed load and performance testing for the PLANTAR software using Apache JMeter to ensure optimal functionality and performance.

Project PLANTAR • Cúcuta, Colombia • 03/2019 — 09/2019

Developer

- PLANTAR is an initiative backed by the Government of Norte de Santander Department and facilitated by the University of Pamplona. The project aims to implement agroecological models to foster sustainable development and enhance crop competitiveness among families across various municipalities. Leveraging Information and Communication Technologies (ICT), I contributed to the project's development team, undertaking the following tasks:
- Designed and developed the PLANTAR Project website using WordPress, HTML, CSS and JavaScript (<https://plantar.gov.co/>).
- Executed load and performance testing for the PLANTAR software using Apache JMeter to ensure optimal functionality and performance.
- Conducted analysis and design documentation for the PLANTAR software.
- Created an alert management application to monitor weather stations in six municipalities of Norte de Santander. This involved utilizing Grafana, PHP, and SQL.

PROJECTS

TRAINING CENTER HIGH SCHOOL • [Link](#)

- Developed and implemented enhanced features using Javascript, Aurelia.js, Blockly, NodeJS (Express JS), MySQL, Dockers, AWS to extend the Training Center UFPS platform for teaching Competitive Programming in Cucuta schools.

GEO – EXTENSION UFPS • [Link](#)

- Implemented a robust NodeJS (Express JS) application integrated with Leaflet mapping and MySQL database to optimize extension project management processes at UFPS.

HVI UFPS • [Link](#)

- Developed CVLAC-based curriculum vitae management system for researchers using NodeJS (Express JS), Javascript, Leaflet, and MySQL.

SISPRO • [Link](#)

- Developed a robust system for training and live simulation of the ICFES Saber Pro tests at UFPS using PHP (Codeigniter), HTML, CSS, JavaScript, Bootstrap, jQuery and MVC architecture.

EDUCATION

Bachelor's Degree in Systems Engineering

Francisco de Paula Santander University • Cucuta, Colombia

- Studied advanced coursework including Systems Design, Object-Oriented Programming, Software Engineering Principles, and User Interface Design as part of the Systems Engineering curriculum.
- Contributed time and effort to Linux Open Software Group (SILUX) as well as Competitive Programming UFPS Group, leveraging these experiences as valuable learning opportunities that complemented my academic pursuits within Systems Engineering.

SKILLS

Programming Languages Java (Programming Language), JavaScript (Programming Language), PHP (Scripting Language)

Database Management MySQL, Redis, MongoDB

Web Development Frameworks Spring Framework, Spring Boot, CodeIgniter, WordPress

Cloud Services Amazon S3, Amazon Web Services, API Gateway

Software Development Methodologies Agile Software Development

Languages English, Spanish, French

AWARDS

Women entrepreneurs and researchers in the field of science and technology in Cucuta. • 02/2021

Francisco de Paula Santander University