

JUAN PABLO CASTAÑO TINOCO

Software Engineer

✉ juan.pablo.999@outlook.com

📞 +57 313 636 7416

📍 Manizales, Colombia

in linkedin.com/in/juan-pablo-castaño-tinoco

github.com/JPCT

CAREER SUMMARY

Results-driven software engineer with expertise in backend technologies, including Java/Spring Boot, AWS, and microservices architecture. Known for delivering impactful solutions, I have consistently improved application performance, reducing system latency and ensuring high reliability. Proficient in CI/CD, Docker, and API integration, I thrive in Agile environments, collaborating with cross-functional teams to build scalable, efficient systems. Driven by a commitment to innovation and excellence, I specialize in creating robust backend solutions that enhance user experience and operational efficiency.

WORK EXPERIENCE

Senior Java Software Engineer

December, 2023 - Present

Worked on a First Student, Inc. project, responsible for delivering new features and maintaining four applications related to the Driver Applications. These applications support bus drivers and students in managing daily tasks on routes to and from school, with an average transportation of 5 million of students in the daily basis.

- Reduced latency in the real-time processing system from 5 minutes to 1 minute, handling over 5,000 records per second.
- Created automated deployment pipelines to support CI/CD, enhancing deployment speed and reducing errors.
- Led the migration of applications to major versions to ensure support compliance with cloud services and framework libraries.
- Led a team of 8 engineers across multiple countries, managing task assignments and progress tracking to ensure project milestones were met effectively.

Technologies used:

Java / Spring Boot, AWS, MySQL, JUnit, Docker, GraphQL, DynamoDB, Redshift, OpenSearch, Docker, CI/CD, Python, NodeJS

Intermediate Java Software Engineer

January, 2023 - December, 2023

Contributed to the development of new features at Quext for the Physical Property Management project, enhancing the application's real estate framework. Addressed challenges including refactoring complex logic, facilitating knowledge transfer, and mapping physical buildings into an abstract database structure (n-trees). The scope encompassed developing new functionalities and optimizing existing features to align with the requirements of the new product owner, ensuring the real estate structure was built in an abstract and efficient manner within the application.

- Developed new API Rest features according to Business Analyst using Java Spring Boot.
- Fixed existing bugs in the application to ensure smooth functionality.
- Addressed tech debt tasks by refactoring old code and eliminating unnecessary technologies, enhancing system efficiency and reliability.

Technologies used:

Java / Spring Boot, SpringWebFlux, JUnit, AWS, Docker, PostgreSQL, MongoDB, Redis, Jenkins, ArgoCD, Kubernetes, GitHub, Jira

Software Development Engineer

July, 2021 - January, 2023

Contributed to the development of a dynamic neobank application utilized by more than 10,000 users in Colombia. The application empowers users to manage their finances effectively, enabling electronic payments, physical transactions at various merchants, and convenient cash withdrawals. With a user-focused approach, the neobank application has transformed financial management, offering a comprehensive platform for secure and effortless money management.

- Contributed on the development of Java/Spring Boot applications, integrating CI/CD pipelines for seamless delivery and rapid iterations.
- Innovatively designed microservices and RESTful Web Services, leveraging Docker for efficient containerization and deploying on AWS, ensuring scalability and high performance.
- Built microservices using Docker and deployment in AWS.
- Proactively monitored applications using AWS CloudWatch, promptly addressing issues, and optimizing system reliability.
- Actively participated in SCRUM Agile teams, collaborating closely with cross-functional members, resolving critical errors, and ensuring uninterrupted service for users.

Technologies used:

Java / Spring Boot, JUnit / TestNG, AWS, Docker, PostgreSQL, MySQL, Angular, Bitbucket, GitHub, Jira

Software Developer

February, 2020 - July, 2021

Developed a web application to manage official documents in Colombia with all the legal requirements to build new documents using Spring Boot and sending notifications about documents processes.

- Developed a robust web application to facilitate document management for public and private entities in Colombia, enhancing efficiency and accessibility.
- Conducted in-depth analysis of business and customer requirements, ensuring precise alignment with project objectives and stakeholder needs.
- Engineered an innovative application that significantly reduced paper usage in companies, revolutionizing document management practices and promoting environmental sustainability.

Technologies used:

Java / Spring Boot, PostgreSQL, Angular, JavaScript, HTML/CSS, GitHub

SKILLS & TOOLS

Frontend

HTML/CSS, JavaScript, Angular

Backend

Java/Spring Boot, SQL, AWS, Python

Others

Linux, PostgreSQL, MySQL, Oracle Database, MongoDB, Code Review, Git, Unit Testing, Jira, GitHub, Bitbucket, AWS, Jenkins, ArgoCD, Kubernetes, DynamoDB, Redshift, Redis, GraphQL, OpenSearch, Python, NodeJS, Docker, API Rest, SCRUM, SOLID

EDUCATION

BSc Systems and Computer Engineering
University of Caldas
2017 - 2023

AWS Partner: Accreditation (Technical)
Amazon Web Services Training and Certification
2023

AWS Partner: Cloud Economics Accreditation
Amazon Web Services Training and Certification
2023

LANGUAGE

Spanish (Native)
English (Professional)

INTERESTS

Trekking
Travel
Mountain biking