

JUAN DANIEL SUAREZ AMADO

Senior Full Stack Developer

Software Engineer with 7 years of experience specializing in building high-performance, scalable applications across front-end and back-end ecosystems. Specialist in Artificial Intelligence and Software Engineering, with strong expertise in modern frontend development using React, Next.js, Context API, Redux, React Native, and TypeScript, combined with solid backend experience in Node.js, NestJS, Java, J2EE, and Spring Boot.

Skilled in designing and integrating secure, high-availability APIs, optimizing application performance, and delivering pixel-perfect UI with component-driven architectures. Experienced with cloud platforms such as AWS, Azure, and GCP, as well as Docker, Kubernetes, Grafana, and AWS CloudWatch.

Proven ability to lead development teams, define software architecture, and manage end-to-end delivery of scalable, mission-critical products. Recognized for strong problem-solving, cross-functional collaboration, and adaptability in fast-paced, multicultural environments.

CAREER HISTORY

Blank Factor -Profisee– Bogotá, Colombia (Jun 2025 – current)

Position Held: Senior Frontend Developer

Key Qualifications & Responsibilities:

- Led the development of scalable frontend applications using **React.js**, **Context API**, and **custom hooks**.
- Integrated multiple **REST APIs**, ensuring secure data exchange and efficient error handling.
- Designed reusable UI components following **component-driven architecture** with SASS CSS and internal libraries.
- Implemented global state management solutions using **Context API**, reducers, and memoization to optimize performance.
- Collaborated with backend teams to define API contracts and improve response structure for faster rendering.
- Built advanced forms, including dynamic validations and conditional logic.
- Improved application performance through lazy loading, code splitting, and bundle optimization.
- Wrote unit and integration tests using **Jest** and **React Testing Library**, achieving high coverage.
- Participated in sprint planning, code reviews, and technical decision-making as part of an agile team.
- Documented UI workflows, component behavior, and integration processes for internal onboarding.
- Ensured accessibility compliance (WCAG) across UI components.
- Handled bug fixing, refactoring, and continuous improvements to enhance maintainability and scalability.

Tools & Technologies:

React.js, Context API, TypeScript, SASS CSS, REST APIs, Jest, React Testing Library, Git, Azure DevOps.

‘Caja Social’ Bank - Bogotá, Colombia (Oct. 2022 – Ap. 2025)

Position Held: Full Stack Developer

Key Qualifications & Responsibilities:

- Analysis and definition of product based on microservices architecture.
- Developed frontend in Next.js from scratch using Context API and Tailwind CSS.
- Backlog administration and management of the development team.
- Ensured application security and the ability to interact with multiple APIs and encrypt data.
- Created various forms using useForm in Next.js with custom validations.
- Unit testing with Jest.
- Developed microservices using NestJS.
- **Machine Learning & Data Prediction:** Implemented ML models for data analysis and forecasting using Python.
- **Data Processing & Visualization:** Used Pandas and Matplotlib for data manipulation and visualization.
- **AI Development:** Built and optimized AI-driven features for predictive analytics.
- Bug Fixes: Identified and resolved defects to maintain system stability.
- Performance Optimization: Enhanced application speed and resource efficiency.
- Security Updates: Applied patches to protect against vulnerabilities.
- Dependency Management: Updated libraries and frameworks to stay current.
- Code Refactoring: Improved readability and maintainability without changing functionality.
- Database Migrations: Used tools like Flyway or Liquibase for schema evolution.
- Legacy Code Maintenance: Worked with legacy systems built using Java and J2EE, ensuring compatibility and gradual modernization.
- Software Maintenance with Spring Boot.

Tools/Technologies:

Spring Boot, Java, J2EE, Grafana, Azure, Next.js, NestJS, Pandas, Matplotlib, Python, MongoDB, SQL, Oracle.

MinTic - Canal 13, Bogota, Colombia (Mar. 2021 – Dec. 2022)

Position Held: Full Stack Developer

Key Qualifications & Responsibilities:

- Created various forms for the Moodle platform.
- Developed an admin dashboard.
- Analyzed and defined product architecture based on microservices.
- Developed backend in Node.js from scratch.
- Built frontend in React from scratch using Context API, Redux, and Bootstrap.
- Backlog administration and management of the development team.
- Developed 5+ full-stack web applications to analyze and process data for different platforms.
- Ensured application security and integration with multiple APIs and databases.
- Worked closely with the development team, including project and product managers, developers, and QA, to determine issues, testing methods, and best practices.
- Conducted unit and load testing for high-profile customer-facing applications, reducing system failure rate by 80%.
- **Machine Learning & AI:** Developed and optimized ML models using Python for predictive analytics.
- **Web Scraping:** Implemented automated data extraction workflows using Python.
- **Deep Learning with PyTorch:** Utilized PyTorch for training and deploying neural networks.
- **Data Processing & Visualization:** Used Pandas and Matplotlib for data manipulation and visualization.

Tools/Technologies:

Azure, React, Node.js, PHP, Docker, MySQL, Nginx, Python, Pandas, Matplotlib, PyTorch.

Energy ministry, Bogota, Colombia

Sep. 2021 – May. 2022

Position Held

Freelancer

Key Qualifications & Responsibilities:

- Develop some models managed by product owner
- Solving some bugs with fronted and backend
- Analysis and definition of the product
- Designed and developed some layouts in Html, JavaScript, CSS and bootstrap
- Enhanced efficiency, quality data, scope, operability, and flexibility of applications.
- Solved challenging dataset problems by using ideas from distributed computing, large-scale design, real time data processing, data storage.

Tools/Technologies:

Django, HTML, CSS, bootstrap, JavaScript

Banitsmo, Bogota, Colombia

Nov. 2021– Jan. 2022

Position Held

Full stack developer

Key Qualifications & Responsibilities:

- Design and develop some layouts in Angular, Html, JavaScript, CSS and bootstrap
- Developed and implemented a standalone data extraction "agent" and main-application features for a financial product
- Optimized company's complaint handling process by creating and delivering highly efficient app-based solutions
- Database modeling in DynamoDb and mysql.

Tools/Technologies:

Angular, HTML, CSS, bootstrap, JavaScript, NodeJS, AWS.

Rapid fast, Bogota, Colombia

Jan. 2020 – March 2021.

Position Held

Senior Full stack developer

Responsibilities:

- Create a web platform and mobile application with flutter, react, node, react, Firebase.
- Deployments in google cloud platform
- Database modeling with firebase.
- Backend service api creation
- Backlog administration and management of the development team.
- Developed full-stack applications across various platforms using latest industry-adopted technologies and frameworks
- Played a key role in the development, improvement, and operation of web-based software
- Gained hands-on expertise in Bootstrap, Material UI, Express and similar back-end Node.js as well as front-end presentation frameworks web application frameworks

Tools/Technologies:

React, node, next firebase, flutter, android, IOS, google Cloud platform, spring boot, Java

YoyisFood, Bogota, Colombia

May. 2019– Oct. 2019

Position Held

Junior Developer

Responsibilities:

- Design and develop some layouts in Html, JavaScript, CSS and bootstrap
- Ensure that applications are secure and that they can interact with multiple APIs and databases.
- Collaborate with the app development team, including the project manager, developers, and quality assurance specialists, to identify problems, testing methods, and best practices.
- Managed time-sensitive updates, such as changing content and upgrading databases.

*Tools/Technologies:**HTML, CSS, bootstrap, JavaScript, php, Mysql***Github repo and portfolio**<https://github.com/jdvpl><https://portfolio-jdvpl.vercel.app/>