

OSCAR AUGUSTO ROJAS CRUZ

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Profile

Bilingual Full Stack developer using Node.js and React to build robust and scalable applications on AWS cloud. My experience covers microservices architecture, continuous integration and deployment (CI/CD) and database management such as MongoDB, MySQL and PostgreSQL. In Addition to frontend and backend development I have contributed to mobile development by using Xamarin. My focus goes beyond coding, as I have developed multifaceted skills that allow me to contribute in diverse areas. I have worked closely with software architects, technical leads, Product Owners (PO), UI/UX designers, as well as software quality (QA) teams. I have experience in versioning code with Git and using Docker to create and manage consistent development environments. I have a solid understanding of Agile methodologies (Scrum, Kanban, XP) and can easily adapt to different approaches depending on the project needs. My experience with Jira and Azure Devops allows me to efficiently manage tasks, team progress and project development.

Skills and technologies

Frontend frameworks and libraries: React, Redux, MaterialUI, Tailwind CSS

Backend: NodeJS, ExpressJS

Programming languages: Javascript

Hypertext and styling languages: HTML, CSS, SASS

Databases: MongoDB, MySQL, PostgreSQL

Testing: Jest, Vitest, React Testing Library, Cypress

Code Version control: Git, GitHub, Azure Repos

Languages: English and Spanish

Formal education

Systems and computing engineering bachelor's degree | Universidad pedagógica y tecnológica de Colombia | 2022

Courses and formation

React experto | Udemy | 2022

Git & GitHub | Platzi | 2020

HTML, CSS and Javascript | PushDev | 2020

English professional | Golden Bridge Corporation | 2011

Boyaca DEV | Tech Talk

Professional Experience

Senior full stack developer | Gestión de seguridad electrónica (GSE)
Bogotá, Colombia | March 2023 - September 2024

I led the development and implementation of key functionalities for the digital wallet “Bemysself”, using front end technologies such as React and Redux while in the backend I used Express.js and Node.js. Among my achievements I implemented Redux Toolkit Query to optimize application state and data fetching and management, which resulted in a significant improvement in performance and efficiency; I also implemented multi-language functionality using react-i18next, allowing the digital wallet “bemysself” to be used by a wider audience in America. In addition, I was responsible for the creation of a robust and secure REST API for communication between the frontend and backend, ensuring the integrity of transactions and users financial information. To ensure the quality of the code, I implemented unit and integration tests with Vitest, Jest and @testing-library/react, contributing to the stability and reliability of the platform. The project used Azure DevOps for code management, task tracking and CI/CD pipeline implementation, automating deployment and continuous integration.

As leader of the frontend team, I introduced a component-based development methodology that encouraged code reuse and consistency in the user interface. This led to a 25% reduction in development time for new features and increased user satisfaction as evidenced by application usage metrics.

Full stack developer | CRAM IT
Bogotá, Colombia | August 2021 - February 2023

As a Fullstack software developer, I participated in both frontend and backend development. On the backend, I used technologies such as Node.js for the creation of REST APIs, implementing a layered structure in the software architecture and using PostgreSQL databases. On the frontend, I contributed to the design and maintenance of the user interface using React. Version control was managed through Git, and deployments were done on the AWS platform with Jenkins continuous integration. I used Jira and SCRUM methodology for task management.

During this experience, I successfully led the Frontend development team in the creation of an application for the offer and purchase of vehicle insurance. This application ranged from the comparison of purchase offers, which involved integration with different partner insurers, to scheduling appointments with the vehicle insurability certification company, verification of legal data and validation of the buyer's identity, culminating with payment processing through gateways and issuance of insurance policies.

Full stack developer | Accenture
Bogotá, Colombia | January 2021 - July 2021

I participated in the development of an innovative mobile and web application to improve the customer experience of the energy company ENEL Colombia. I used cutting-edge technologies such as React.js, CSS, Next.js and Tailwind CSS in the frontend, for state management I used Redux and Zustand and in the backend I used C# with integration to relational databases in

Amazon RDS (relational database systems) and SQL. The application was developed for iOS and Android devices using Microsoft Xamarin framework; The infrastructure was implemented in CLOUD using Firebase and Git Flow for code versioning control. We followed an agile methodology Scrum and Kanban to manage the development of the project.

Additionally I was in charge of queries in SQL and Apache Hive to generate interactive reports in Qlik Sense and made contributions to web development with semantic HTML, optimizing the SEO and inclusion of the web pages.

Achievements

Inter university programming marathon UniBoyacá: Winner of the 2021 version of the competitive programming marathon and participation in the two previous versions.