Mauricio **Hernandez**

Full Stack Developer - Software Engineer

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"Simplicity is the ultimate sophistication"

Summary

Versatile developer with expertise in frontend development for web and mobile platforms, as well as backend development. I have worked across various industries, notably logistics and healthcare. Proficient in navigating terminal and Linux-based environments. Enthusiastic about growth opportunities and committed to hands-on learning.

Skills

Technologies	• Javascript, Typescript, C#, Python, Java • React, React Native, Redux, HTML, CSS, SASS, NextJs • RxJs, Bootstrap | Jest, Vitest, XUnit • NodeJs, .NET, NestJs • PostgreSQL, MongoDB
Cloud	Git, Nginx, Postman, Bitbucket, VS Code, Vim
Others	• AWS: Amplify, DynamoDB, CodeCommit, Lambda • Azure Pipelines
Languages	Spanish, English, Turkish

Education

ICESI University   *Cali, Colombia*
Jan 2016 - Dec 2020

B.S in Software Systems Engineering

- Won a government scholarship for high scoring in the ICFES test

Experience

Encora Inc   Cali, Colombia
Accruent   *Feb 2023 - Aug 2024*
Software Engineer II

Migration of a legacy CMMS of 25+ years, built in WPF and WCF, to a modern-day SPA built on top of React.

Team: 30 people divided into 3 pods with developers and QA members in each one and following SCRUM

Main tasks executed in the project:

- Designed highly reusable components in a shared library for usage across multiple projects within the organization
- Worked migrating a 25 years old CMMS built as an XBapClient to React
- Implemented a BFF architecture design to couple new CMMS frontend to legacy backend built on WCF
- Researched and implemented prototypes to showcase future features
- Lead and participate in SCRUM ceremonies

Challenges: make an scalable and dynamic client side security structure to manage current and future models seamlessly

Technologies: React, Typescript, SASS, Bootstrap, C#, .NET, Azure Pipelines, ProGet, XUnit, Vitest, OpenAPI

Encora Inc   *Cali, Colombia*
Amazon   *Jul 2022 - Feb 2023*
Software Engineer II

Transportation platform intended for Amazon employees commuting in Costa Rica.

Team: 3 developers and 1 QA for operations, maintenance and fixes

Main tasks executed in the project

- Provided support to applications ecosystem, all hosted on AWS
- Changed client-side to server-side pagination and filtering to improved web apps performance
- Implemented responsive behavior on React Native components
- Analized and solved problems related to data fetching on DynamoDB
- Used AWS Amplify to provision backend services and infrastructure

Challenges: debug and find solutions to bugs in the production environment and user experience

Technologies: React, Typescript, NodeJs, NestJs, RxJs, AWS: Amplify, DynamoDB, Lambda, Cognito

Encora Inc   *Cali, Colombia*
Internal Projects   *Aug 2021 - Jul 2022*
Software Engineer I

Initiative to develop a dashboard like web app to manage and monitor Encora partners lifecycle.

Team: 5 developers following agile practices

Main tasks executed in the project

- Implemented full page table views with pagination, search and filters on React with AntD
- Created REST API endpoints in .NET 5.0 with full CRUD operations
- Researched and did a POC on Elsa Workflows library
- Standardized front-end complex components to gather business critical information

Challenges: handle dynamic filtering for custom reports

Technologies: React, AntD, C#, .NET, CSS, LinQ

Freelance   *Cali, Colombia*
Full Stack Dev   *Aug 2021 - Jan 2022*

Develop a web application for creating and managing projects proposals consisting of documents and different phases.
Team: 3 developers

Main tasks executed in the project

- Design and document client-server app solution on UML
- Implement frontend project with React and responsive features
- Develop backend project on NodeJs and PostgreSQL
- Configure NGINX as reverse proxy to allocate backend and frontend on the same server with the same domain

Challenges: deliver product in the estimated time horizon of the project and deploy back and front project into the same server instance with a single domain name registered

Technologies: React, NodeJs, Typescript, ChakraUI, VPS, Nginx

Freelance   *Cali, Colombia*
Data Analyst   *Aug 2021 - Jan 2022*

Reporting for HHRR based on employee appraisal surveys executed on Odoo ERP.
Team: single developer

Main tasks executed in the project

- Understand and extract data from a PostgreSQL database
- Process and transform data with Pandas and Numpy on a Jupyter notebook
- Export data and create reports on PowerBI

Challenges: understand database relationships and entities to perform the correct SQL queries in order to extract the appropriate data

Technologies: Python, PowerBI, SQL, Pypika, Pandas

Avantica Technologies   *Cali, Colombia*
Amazon   *Jan 2021 - Aug 2021*
Software Engineer I

Build mobile and web apps for a brand-new transportation system aimed at improving Costa Ricas's Amazon employees commuting, outsourcing transport services and reducing costs.

Team: 10 members including developers, QA and PM with agile development using SCRUM

Main tasks executed in the project

- Implement an ecosystem of applications to support logistics operations. Two mobile apps, both for Android and IOS, and two web apps
- Implemented full mobile apps flows following UX/UI designs on Figma
- Modified pipelines configurations and instructions for both Android, on AWS CodePipeline, and iOS, on Jenkins
- Teamwork and collaboration to analyze and plan user stories using Jira as project management tool

Challenges: implement web sockets logic for location tracking and chat features

Technologies: React Native, Javascript, NodeJs, AWS Amplify, Amplify CLI, Android Studio, XCode

Avantica Technologies   *Cali, Colombia*
Avanrecon   *Jul 2020 - Dec 2020*
Software Engineer Intern

Develop a web SSR web application intended to automate the scoring process for Avantica employees in the HH RR department.

Team: single developer

Main tasks executed in the project

- Develop full front-end features with NextJs as SSR framework for React
- Develop REST endpoints in NodeJs using Sequelize ORM for PostgreSQL
- Improved SQL database schema to meet changing design requirements
- Improved REST API performance and usage

Challenges: understand SSR and production builds

Technologies React, NextJs, PostgreSQL, Sequilize ORM

Learning & Certifications

2024	Databricks Certified Data Analyst Associate	*Databricks Academy*
2022	Understanding Typescript	*Udemy*
2022	NextJs & React - The Complete Guide	*Udemy*
2022	Ethereum & Solidity: The Complete Developer's Guide	*Udemy*
2021	React Native - The Practical Guide	*Udemy*
2021	Serverless React with AWS Amplify	*Udemy*
2021	React Native: Advanced Concepts	*Udemy*