

DANIEL RICARDO RAMÍREZ

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Education

Lycée Français Louis Pasteur Economic and social Baccalauréat

Sept 2004 – Jul 2018

- **Courses:** All the courses included in formal education (Preschool, Primary School, Secondary School, etc.)

Pontificia Universidad Javeriana Bachelor of Systems Engineering

Jul 2018 – Sept 2022

- **Courses:** OOP in Java, Operating Systems in C, Databases in Java with Oracle 18C, Computer Networks in Java, Web Development with Spring-boot and React.js, Mobile Development with Kotlin and Flutter, Microservices with Spring-boot and Docker, Numerical Analysis in Python, Data Structures and Algorithms in C++

Skills

Programming languages: JavaScript, TypeScript, Python, Java, C/C++

Technologies: React.js, React Native, Expo, Next.js, Express.js, MongoDB, DynamoDB, MySQL, PostgreSQL, Git, AWS (IAM, SES, Cognito, API Gateway, Lambda Functions, Amplify, CloudWatch)

Spoken languages: Spanish (C2), French (C2), English (B2)

Soft Skills: Strategically capable, Imagination, Creativity, Determination, Empathy, Leadership, Problem Solving

Professional Experience

Vidas Móviles Javeriana Systems Engineering Intern (Volunteering) – Visual Basic Developer

Bogotá, COL

Jul 2021 – Dec 2021

- Built Macros and Visual Basic Scripts to automate multiple processes that takes place inside multiple Excel Workbooks
- Built simple UI components inside Workbooks that triggers macros
- Offered consulting about relational databases
- Designed relational databases schemas

Millionaire Coders Club Full Stack Engineer – Node.js | React.js | React Native

Miami, FL (Remote)

Sep 2022 – Mar 2023

- Built complex components from scratch (Dynamic bar charts, dial knobs, audio sliders, etc.)
- Adapt both individual third-party components and libraries for client-side app use
- Documented components properly using Storybook
- Multimedia asset storage and integration, preloading, caching, and handling
- Converted old class-based components into new functional components using hooks
- Used the best industry practices in order to avoid using state management libraries
- m3u8 audio handling, playing, pausing, changing playback speed, going backwards and forwards
- Created fully functional audio slider
- Created schemas for DynamoDB with Partition Keys, Sort Keys, Global Secondary Indexes, etc.
- Created multiple complex CRUD operations for DynamoDB in node.js code
- Implemented and managed user authentication and authorization using AWS Cognito
- Created backend endpoints with the best express.js practices

- Validated JWT tokens for every endpoint / route that requires it
- Created backend private routes

Manglar

Frontend Engineer – React.js

Cali, COL (Remote)
Apr 2023 – Aug 2023

- Gained the skill to quickly adapt open-source projects to create enterprise grade software.
- Gained skills related to geometry and linear algebra applied to software development: Created 2 dimensional shapes (points, lines, polygons, added nodes to a polygon, removed nodes from a polygon, selected and moved one or more polygon nodes simultaneously, translated whole polygons)
- Learned how to import and export project files in order to save the current state of a program's project
- Learned how to import other kinds of files to a project in order to extract data and automate processes (COCO formats, KML formats, GeoJSON, etc.)
- Implemented components that let you filter, sort, and paginate items
- Created integration tests, hooks tests and snapshot testing using Jest and React Testing Library
- Implemented CRUD operations using React Query for request handling

Outstanding Projects

Visión Civil: Crime Control System

Built with React.js, Flutter, Express.js and Firebase as BaaS

Bogotá, COL
Dec 2021 – Jul 2022

- Built Mobile App for the citizens, from which they are able to generate crime reports that they witness
 - Built Web App for the government functionaries from which they are able to visualize crime related data (Charts, stats, etc.) and use some provided crime related services
 - Built and documented a REST API (Swagger, Open API 3.0) that provides data and services to the Mobile App and the Web App
- [Go to the GitHub repo](#)