

NICOLÁS FORERO

Senior Software Engineer

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EXPERIENCE

Senior Software Engineer

MyEngene

09/2023 - Present

- Architected full-stack web applications utilizing React, TypeScript, Flask, and PostgreSQL integrated with AWS using Docker Compose.
- Designed and optimized database schemas, including DBML for PostgreSQL, ensuring seamless integration and application performance.
- Supervised platform development, implementing clean code, SOLID principles, and various design patterns to uphold high code quality.
- Integrated Auth0 for secure user authentication and authorization, enhancing application security.
- Crafted the project architecture guided by clean architecture principles, employing diverse design patterns for scalability and efficiency.
- Delivered full-stack web applications from scratch, showcasing proficiency in React, NextJS, and Material UI.
- Possess strong skills in React, NextJS, Material UI, Firebase, GCP, Python, and Flask with a focus on UX/UI design.

Software Engineer

Foodology

08/2023 - 06/2024

- Define, develop, and maintain a web-based inventory management tool for "hidden" kitchens in LATAM
- Create purchase orders module to manage the process of buying supplies to providers to improve the experience for Supply users
- Created a module to enhance the quality of the productions using organoleptic aspects
- Understand, plan, and implement solutions to boost the time needed to make internal supply transfer
- Developed teaching skills to help other people to get on board on the "Inventory Squad"
- Skills: React, Kotlin, Material UI, Firebase, GCP, Figma, UX/UI

Software Engineer

Échele Cabeza

04/2023 - 04/2024

- Designed, developed, and maintained a mobile application to make the current information more accessible to the public (currently a web app)
- Based on end-user understanding from user research, designed a user experience where it is easier to research information, using Design Thinking
- Created a new functionality to the mobile application that compiles the previous information in a dynamic view with Flutter, positively improving the user experience
- Developed management abilities such as prioritization backlog and generating user stories
- Skills: Flutter, Firebase, Figma, UX/UI, Node.js

SUMMARY

Senior Software Engineer with over 6 years of experience abstracting real business problems into efficient solutions for web and mobile development, using technologies such as JavaScript, HTML, CSS, TypeScript, Redux, and frameworks of React like Next.js, Express, and Nest.js, and cloud computing with GCP and AWS. Strong background in designing, developing, and maintaining scalable software applications from scratch for different industries such as Fintech, Robotics, Real Estate, Supply Chain, and Health Care; implementing Clean Code and Clean Architecture and applying different design patterns. Strong knowledge of designing interfaces focused on the final user through UX techniques. Well-versed in Agile development methodologies, acting as a team player, and having experience working in cross-functional teams; passionate about humans and oriented to solving social problems and helping people through technology.

KEY ACHIEVEMENTS



Productivity Enhancement

Developed web-based tool boosting team productivity by 35%.



API Optimization

Authored APIs reducing data response time by 60%.



Security Improvement

Implemented Auth0 increasing security compliance by 50%.



Efficient Feature Rollout

Led project resulting in 25% quicker feature deployment.

LANGUAGES

English

Advanced - C1



Spanish

Native



EXPERIENCE

Frontend Software Engineer

Kiwibot

📅 03/2022 - 09/2022

- Created a library for real-time indoor robot navigation displayed in Canvas.
- Implemented authentication and authorization using Auth0, enhancing security.
- Enhanced experience and design by applying Material Design guidelines.
- Boosted robot video quality, reducing visibility-related crashes by 40%.
- Adapted Nx for project improvement, showcasing continuous learning.
- Applied skills in Nx, Socket.io, Next.js, TypeScript, React.js, and Go for responsive web design.

Fullstack Software Engineer

Cultivando Futuro

📅 12/2021 - 03/2022

- Refactor the API, web application, and mobile application to increase the reliability of the final product (optimize the data flow, decrease the size of the final bundle)
- Create a complete platform to generate reports about different social variables for the Dry Region of Honduras
- Increase the number of mobile application customers (facilitating the user experience, and decreasing abandonment points)
- Achievements: Mentoring juniors, developing hard and soft skills to get their first job using peer programming and live coding sessions
- Improve the time needed to generate reports with automated tools instead of manual coding
- Skills: Node.js, Flutter, Express, AWS, Vue.js, Responsive Web Design

Frontend Engineer

Higo

📅 07/2021 - 12/2021

- Increased user engagement by 20% by implementing a payment scheduling feature on the Higo website
- Resolve several bugs related to the state in Redux
- Create Apollo connection To GraphQL API
- Improve the browsing experience on the platform by decreasing load times for requests to the GraphQL API
- Increase the time of use on the platform by 30% by adding a dashboard where the data and the main statistics of each user are shown

SKILLS

Frontend & Web Development

React.js Next.js TypeScript

JavaScript ES6+ Redux

TailwindCSS Material UI

Styled-components Nodejs

Express Nestjs Flask Golang

Flutter Kotlin Socket.io Nx

GraphQL Responsive Web Design

Go HTML5 REST APIs

Gatsby JS SEO

Tools, Cloud, Operating Systems & Databases

Linux MacOS Windows

Docker AWS Firebase GCP

MongoDB PostgreSQL MariaDB

Redis DynamoDB Postman

Jest Git GitLab GitHub

Jira Slack Agile/Kanban

Figma Storybook UX/UI UNIX

ROS

Backend & Programming Languages

Python

Design & User Experience

UI/UX Design

EXPERIENCE

Frontend Software Engineer

Houm

📅 08/2020 - 07/2021

- Developed and optimized landing pages for the company and property owners using MaterialUI and Tailwind CSS.
- Created an internal platform for sales consultants, enhancing usability and efficiency, resulting in a 30% improvement in sales processes.
- Engineered tenant interfaces for service payments and communication, improving user experience and interface performance by 16%.
- Led bug fixing and support efforts for newly developed platforms, ensuring seamless operation and minimal downtime.
- Utilized advanced frameworks such as Gatsby JS, Redux, and React to enhance platform functionality and responsiveness.
- Applied SEO strategies and REST APIs to improve website visibility and user accessibility.
- Demonstrated expertise in HTML5 and Responsive Web Design to deliver efficient, user-centric interfaces.

Junior Fullstack Developer

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📅 03/2020 - 09/2020

- Increased patient satisfaction by 60% by integrating real-time chat for doctor-patient interactions
- Implementation of video calls for queries that require it
- Use AWS services
- Learn from Flutter
- Development of traceability skills to find the origin of Bugs
- Skills: Vue.js, Amazon Web Services (AWS), Express.js, Flutter, Node.js, REST APIs, HTML5, Responsive Web Design

Junior Frontend Developer

Kiwibot

📅 04/2019 - 12/2019

- Learn React
- Development of web and mobile interfaces for the optimization of internal logistics processes
- Bring UI designs to production applications
- Create a from-scratch console to optimize the internal logistics process
- Propose and adopt new technologies, such as tailwind and styled-components
- Skills: REST APIs, HTML5, Responsive Web Design, Figma (Software), React.js

TRAINING / COURSES

Fullstack Software Engineer - Web Development Emphasis

Holberton School

EDUCATION

Bachelor of System Engineering and Computing (Unfinished)

Universidad de los Andes

📅 01/2015 - 12/2018 📍 Bogotá, Colombia