

Bruno Farias

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Education

Federal Rural University of the Semi-Arid Region
Bachelor of Technology in Computer Science

Jun 2018 – Jun 2024

Federal University of Rio Grande do Norte
Computer Networks Technician

Jan 2019 – Jun 2021

Experience

NTT DATA Europe & Latam
Mobile Software Developer

Oct 2023 – Present
Latin America, Brazil

- Collaborates to the migration of Raiadrogasil's legacy mobile app into a micro-frontend architecture by modularizing components. Developed React Native screens and packaged UI and business logic modules, publishing them via Verdaccio and Rollup for seamless legacy integration, improving scalability and deployment speed.
- Developed and deployed a chronic illness support module impacting over 1 million users within 12 months. Engineered backend services using Node.js and GraphQL, implemented key features and validations, and collaborated with cross-functional teams to drive continuous product improvement.
- Collaborated on the development of an internal AI-powered web platform using Next.js, designed exclusively for company collaborators. Integrated an AI engine enabling users to consult with an internal AI agent. Acted as the sole front-end developer, leading decisions on technologies, design systems, and architectural patterns.

Agenda Edu
Mobile Software Developer

Mar 2022 – Sep 2023
Latin America, Brazil

- Engineered new features for an educational app using React Native, including real-time chat, message editing, screen refactoring, and UI redesign to enhance parent-school communication. Contributed product improvement ideas that were adopted to increase user engagement and retention.
- Led mobile development for a greenfield e-commerce module within the educational app, working closely with design and product teams. Oversaw technology decisions, design implementation, and business rule definition. Successfully launched the project from prototype to production in 3 months, generating R\$600,000 in TPV within the first 6 months.

Stefanini IT Solutions
Full Stack Developer

Apr 2021 – Mar 2022
Latin America, Brazil

- Consulted for Vale S.A. on a large-scale Ruby on Rails web application handling over 1 million daily visits. Delivered new features and optimized system performance by integrating Redis caching and Sidekiq for asynchronous task scheduling, enhancing response times and system reliability.

Dunnas Software
Full Stack Developer

Jan 2020 – Feb 2022
Latin America, Brazil

- Delivered full-stack development across multiple client projects, utilizing Ruby on Rails, React, React Native, and PostgreSQL in a dynamic software house environment.
- Led development of a hospital management web platform with modules for patient tracking, interdepartmental workflows, and data visualization. The platform was instrumental during the COVID-19 pandemic, providing dashboards to monitor patient admissions, expenses, and other critical metrics through interactive charts and visual data tools.
- Optimized system performance and scalability to ensure reliability and continuous operation under high-demand healthcare scenarios.

Technical Skills

Languages: JavaScript, Ruby, C++, Java

Frameworks/Tools: React Native, Node.js, React, Next, Ruby on Rails, Firebase, Fastlane, Jest, Android Studio, Git, Docker, CircleCI, Azure DevOps, AWS

Databases: PostgreSQL, MongoDB, MySQL, GraphQL

Projects

Mobile Application for IoT Control

- Developed a complete mobile application using React Native, designed to allow users to schedule tasks and control smart devices based on ESP32 and ESP8266 hardware through API communication. The app enables real-time interaction, task execution monitoring, and device management. Built using Redux Toolkit for state management, i18next for multi-language support, and styled with Styled-components.
- Started the project from my own React Native boilerplate, which provided a structured setup with pre-configured routing, state management, and theming. Integrated my personal component library to accelerate UI development and ensure consistency. Implemented GitHub Actions for automated APK builds and configured CircleCI pipelines to generate stable development tags, ensuring a reliable and efficient continuous delivery workflow.

Component Library

- Created a reusable React Native component library to standardize and accelerate UI development across multiple projects. Built with TypeScript for type safety and Styled-components combined with Styled-system for flexible theming and responsive design. Integrated Storybook for interactive component documentation and testing in isolation. Used Rollup to bundle and publish the library efficiently. The library includes pre-built components and utilities, supporting icons through React-native-vector-icons and smooth animations using React-native-reanimated. Automated build and deployment processes were set up with CircleCI to ensure versioning and continuous delivery.

React Native Boilerplate

- Developed a custom boilerplate to accelerate the creation of new React Native projects with a pre-configured and scalable structure. The boilerplate includes React Navigation for routing, Redux Toolkit for state management, i18next for multi-language support, and a global Styled-components theme setup. It also comes with essential development tools like ESLint, Prettier, and EditorConfig for code quality and consistency. Integrated Axios with global configurations for API communication and AsyncStorage for auth/session handling. Additionally, set up GitHub Actions for automated workflows and CircleCI for managing stable release tags and CI/CD pipelines.