David Andrianarivo
FULL STACK WEB DEVELOPER

Portfolio
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SUMMARY

Versatile Full-Stack Web Developer with a solid foundation in both web and mobile application development. Proficient in Ruby and Ruby on Rails, Javascript and TypeScript, with a proven ability to enhance code quality and performance by 20%.
Demonstrated skills in API integration and database optimization, contributing to a 10% improvement in application functionality. My background in diverse development environments, including a 10% increase in user retention through mobile app development, positions me uniquely for full-stack roles that require a blend of front-end creativity and back-end efficiency.

EXPERIENCE

NOVITY, *Antananarivo, Madagascar*
React / Node Developer | August, 2023 – Present
- Improved performance by upgrading components to meet user standards, refactoring UI code according to best practices, and enhancing code quality and maintainability. This resulted in a 15% improvement in UI/UX and a 30% improvement in DX.
- Critically assessed team workflows and led discussions on the pros and cons of automated solutions. Developed and implemented a continuous delivery system on Bitrise, resulting in a 20% increase in delivery speed.
- Collaborated successfully with backend engineers to solve complex problems and meet client requirements. Produced well-structured code and led code reviews prior to production releases.

MICROVERSE, *Remote*
Mentor (Volunteer) | April, 2023 – December 2023
- Mentored over 10 junior web developers, enhancing their coding proficiency and project completion rates by 30% through targeted technical support via Slack and Github.
- Streamlined code organization and improved code quality for mentee projects, resulting in a 15% increase in overall performance and efficiency.
- Successfully guided and motivated more than 10 students, achieving an 80% program retention rate, by providing practical advice and fostering a supportive learning environment.

EDUCATION

MICROVERSE | March, 2023 – December, 2023
Remote Full Stack Web Development Program, *Full Time*
- Spent 1300+ hours mastering algorithms, data structures, and full-stack development while simultaneously developing projects with Ruby, Rails, JavaScript, React, and Redux.
- Mastered Test-Driven Development (TDD) by writing unit tests in Ruby using RSpec and in JavaScript using Jest. Additionally, expanded automated testing skills to include acceptance testing with Capybara.
- Developed skills in remote pair programming using GitHub, industry-standard Gitflow, and daily standups to communicate and collaborate with international remote developers.

ISPM | December, 2016 – October, 2021
Master's degree, Computer Science
- Natural Language analysis with NLTK and Flask.

SKILLS

Front-End: Javascript, HTML, CSS, Typescript, React, Redux, React Native

Back-End: Ruby, Ruby on Rails, MongoDB, Node.js, Express, MySQL, PostgreSQL

Tools & Methods: Git, GitHub, DigitalOcean, Heroku, Vercel, Auth0, GCP, TDD, CI/CD

Professional: Remote Pair-Programming, Teamwork, Mentoring, Mob Programming

PROJECTS

Chateo!
- Engineered a full-stack messaging application fostering real-time communication. On the front end, crafted an interactive user interface using React, while the back end involved GraphQL and Apollo for real-time data handling. Overcame technical challenges in server-client data exchange, ensuring a smooth user experience in both one-on-one and group messaging.
- Built with Typescript, React, Express, Node.js, GraphQL, Apollo, and MongoDB

DocConnect
- Developed a comprehensive full-stack platform for managing doctor appointments. The front-end focused on user-friendly interfaces with Tailwind, while the back-end involved robust authentication and authorization systems using Ruby on Rails. Balanced front-end appeal with back-end security to provide a seamless appointment booking experience.
- Built with Ruby on Rails, React, Redux, PostgreSQL, and Tailwind.