Lucas Pierru

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SUMMARY

Versatile full-stack developer with expertise in building web applications using **React.js, Next.js, and Tailwind** on the frontend and **Node.js, Express.js, and Python** on the backend. Skilled in managing databases like **PostgreSQL, MySQL, and MongoDB**, ensuring efficient data handling. Experienced in DevOps practices, including **Docker, Nginx, and DigitalOcean**, to optimize deployment and scalability.

EXPERIENCE

Full stack developer

XpertSource   September 2022 – March 2024, Montréal, Qc
· Refactored most of the codebase following good React practices resulting in a performance increase of web platform of 50%.
· Created 10+ of the platform's newest functionalities such as a client dashboard which facilitated the creation of projects by the clients, a re-design of many pages, implementation a mortgage calculator resulting in an increase in the amount projects sold by the company.
· Wrote technical documentation for good practices in next.js and express.js/node.js with the MVC pattern to help integrate new programmers and enforce best practices, increasing productivity.
· Wrote 100s of unit tests to ensure the robustness of the application and facilitate production deployment.
· Orchestrated agile methodologies across development teams to enhance collaboration and efficiency, achieving 30% faster project delivery timelines using Scrum framework.

PROJECT

Fitly – All in one fitness app

February 2025 – Present
· Created 5 pages including the main meal page and meal creation, meal planner and meal plan creation and the landing page using next.js, shadcn, tailwind css and typescript.
· Built a robust backend with express that handles authentication, authorization with over 30 endpoints to handle queries and mutations to a mongodb database.
· Integrated stripe on the platform to handle payments, leveraging webhooks as well for database mutations.
· Next features includes workout planning, an AI chatbot that give people a meal's macros based on a prompt and genrating a grocery list based on the meal plans with weekly cost of it.

EV charging stations navigation mobile app

January 2024 – June 2024
· Implemented 5+ features of the application such as displaying the EV stations, navigation, user authentication/registration.
· Integrated 3 apis like google, mapbox and the open charge map API to display the EV charging stations.
· Allowed users to navigate towards the selected charging station using the mapbox sdk.

Online clothing store

May 2022 – June 2022
· Used React.js as the frontend for the application, implementing 5+ pages.
· Handle 5+ features such as authentication and the database storage with Firebase and checkout.
· Handle states with Redux for global state management and payments with Stripe for simplicity.

EDUCATION

Bachelor of engineering

Minor in Automation · École de technologie supérieure · Montréal, QC · 2023

SKILLS

Frontend: HTML, CSS, Javascript, Typescript, Next.js, React.js, Flutter
Backend: Node.js, express.js, Python, Playwright, Supabase
Databases: PostgreSQL, MySQL, MongoDB,
DevOps: Docker, Nginx, DigitalOcean