Joe Richards

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PROFESSIONAL SUMMARY

Full-Stack Developer with 8+ years of professional web development experience. Proven expertise in full-stack development using Python (Django, FastAPI, Flask), JavaScript, React, and Ionic, with a strong track record of optimizing system performance and reducing operational costs. Skilled in designing robust APIs, integrating complex data sources, and building efficient database architectures with MySQL and PostgreSQL. Adept at leading development teams, managing end-to-end project lifecycles, and collaborating directly with clients to deliver tailored solutions. Modernize application interfaces, improving user experiences, and accelerating development timelines through innovative engineering approaches.

PROFESSIONAL EXPERIENCE

Senior Software Engineer

2024 – PRESENT

- Engineered and constructed Fiber path design application using Django, reducing manual design time by 90%.
- Engineered planning tool suit using FastAPI, Flask, and React to reduce Optus NBN by fee 20%.
- Developed API and integrated various data sources using Python.
- Applied various techniques to improve the overall performance of the marketing website.

Senior Full Stack Developer

2022 – 2024

- Developed scalable, full-stack web applications, using React, JavaScript, Python, and Django.
- Debugged issues and enhanced the features and performance of existing applications.
- Created web shops using web store mechanisms and the fast implementation of a custom-looking web store.
- Produced high-impact, user-friendly websites to accomplish all business goals with the aid of a Python Django framework and React.

Full Stack Developer

2021 – 2022

- Worked on the API middleware layer to help bridge our modern web-based app to various legacy server systems, preventing us from refactoring the entire system while saving precious time and resources.
- Designed and developed optimized MySQL and PostgreSQL databases.
- Managed the development team and the back-end and front-end aspects of the development process.
- Implemented new back-end API endpoints and back-end logic relating to printer functionality.

Senior Front-end Engineer

2021 – 2023

- Developed, maintained, and fixed bugs on dozens of websites, including being the project owner/lead developer for some of them.
- Oversaw the front-end development which included fixing bus and improving the existing mechanisms.
- Reworked the application's layout and appearance to add an improved, more modern feel and a smoother user experience.
- Communicated and discussed with the clients constantly, which included delivering project updates, providing assistance, answering questions, and receiving bug reports and feature requests.
- Developed various functionalities and pages of the application using Ionic and React, ensuring they worked properly on iOS and Android, and contributed to the application's web version.

React Web Developer

2019 – 2021

- Delivered a dynamic web report dashboard to show month-over-month progress in sales over the last five years.
- Developed the pages for managing the automated distribution of monthly Jerky subscription orders.
- Created management pages for managing user profiles and management roles.
- Developed a page for users to maintain their accounts and preferences.

Web Developer

2016 – 2019

- Worked on a number of websites for local businesses including restaurants, retailers, and hotels.
- Helped with writing JavaScript for dynamic sections of websites and for form validations.
- Converted design mockups in Photoshop to HTML/CSS templates.
- Helped migrate MS Access databases to SQL Server as part of testing deployment readiness.

CORE SKILLS

- **Libraries/APIs**: React, Node.js, Express.js, React Redux, REST APIs, Redux Form
- **Languages**: Python, TypeScript, PHP, JavaScript, HTML, CSS, C, SCSS, C++, C#, SQL, GraphQL
- **Frameworks**: ASP.NET, Angular, Django, Laravel, Next.js, Tailwind CSS
- **Storage:** MongoDB, JSON, MySQL, PostgreSQL, AWS S3
- **Other:** Cloud, Data Analysis, API Integration, Real-time Applications, WebRTC

EDUCATION

Chu Hai College of Higher Education
Bachelor's Degree in Computer Science   **2014-2018**

ADDITIONAL INFORMATION

Languages: Chinese(native), English (fluent)