Jack Martin

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PROFESSIONAL SUMMARY

I am a Junior Software Engineer passionate about full-stack development, with strong skills in React and Node.js. I am eager to learn new technologies and techniques while deepening my knowledge of the fundamentals.

WORK EXPERIENCE

Software Engineer/QA, Lanex   **Apr 2023 – Present**
- Refactor user interfaces for multiple client web applications by analyzing user feedback, resulting in improved user satisfaction and engagement.
- Conduct comprehensive QA testing to maintain software reliability and ensure production-quality code, significantly reducing bugs and enhancing performance.
- Facilitate communication between management and development team by providing Japanese-English interpretation, ensuring clear understanding and collaboration across teams.

Software Engineering Intern, Future Fleet International   **Mar 2022 – Jun 2022**
- Designed microcontroller software integrating Bluetooth Low Energy (BLE) sensors for accurate temperature tracking, resulting in a 15% reduction in truck-related food waste and improved supply chain efficiency.
- Implemented methods to parse and transmit received temperature data via UART serial communication, ensuring reliable data transfer and processing.
- Created detailed software documentation and operation manuals to make it easier for future technicians to use and maintain the system.

SKILLS

Languages: TypeScript, JavaScript, Python, Rust, HTML, CSS
Technologies: Git, Node.js, Express, Next.js, Redux, Tailwind, Prisma, Docker, Vim, Mantine, Postgres
Foreign Languages: Japanese (Achieved JLPT N1 Certificate Dec. 2023)

PROJECTS

Yuubin, Sole Developer (Yuubin)
- Designed and developed Yuubin, a lightweight desktop application for API testing, using Tauri and React.
- Implemented file system-based application storage to ensure all data is stored locally on the user's device, removing the need for account creation and enhancing user privacy and data security.

Finance Manager, Sole Developer (Finance Manager)
- Developed a personal finance management web application to help manage investments, subscriptions, and bank account balances.
- Technologies used: React, TypeScript, Node.js, Express, Mantine, Postgres, and TanStack Query.

Linux Home Server
- Set up a self-hosted Linux server using Debian and Docker to create a reliable cloud solution, ensuring secure and efficient data storage and access to meet household needs.
- Configured multiple Docker containers to manage and deploy applications, optimizing resource use and system performance.

EDUCATION

Bachelor of Software Engineering with Honors, Griffith University   **Graduated Jun 2022**
- Relevant Coursework: Web Application Development, Engineering Programming, Foundations of Systems Development, Programming Principles, Information Systems Architecture, Software Frameworks