

# JASON SANDEMAN

SOFTWARE ENGINEER



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 [Linked In](#)

 [Github](#)

 [Portfolio](#)

## TECH SKILLS

### Languages:

Javascript, Typescript, Ruby, Python, Java, .NET

### Technologies:

React.js, Next.js, Remix, Ruby on Rails, Electron.js, Django, Node.js, Zustand, Redux, Swagger (OpenAPI), TailwindCSS, MUI, Shadcn, Styled Components, DaisyUI, Git/Actions, CICD(Azure pipelines), Husky, Jest, Sentry, Heroku, Vercel, AWS(S3), Notion, Jira, Confluence, Trello, Warp, Postman, PostgreSQL, MongoDB, Prisma

## EDUCATION

### HIGH DIPLOMA OF IT

Coder Academy (AIT)

## REFEREES

### Rossi Le - Senior Software Engineer, Tech Lead

- M. 0431 300 884
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### Seb Toombs - Staff Software Engineer, Chapter Lead

- M. 0439 567 593
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### Patrick Ellul - Head of Engineering

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### Ray Ko - Engineering Manager

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## SUMMARY

As a Software engineer, I have extensive experience in every phase of the software development process, from concept to implementation. This includes requirements gathering, design, coding, testing, deployment, and maintenance. I collaborate effectively with team members, delivering high-impact projects that exceed expectations.

## WORK HISTORY

### SOFTWARE ENGINEER

NOV 2022 - Present (at Mx51)

Integrated into a dynamic development team practising Agile methodologies, contributing to all phases of the software development lifecycle. My role facilitated effective team coordination and project execution, directly impacting our ability to meet critical deadlines and achieve our collective goals.

#### MX51'S FLAGSHIP "SPI" PRODUCT DEVELOPMENT (TYPESCRIPT)

Engaged in the enhancement of the development and enhancement of mx51's flagship "SPI" product using Javascript (Typescript), Java, .NET, and iOS client libraries, enabling over 100+ POS partners to integrate seamlessly. This initiative enhanced transaction speed and reliability, affecting thousands of customers across major Australian banks.

#### DEVELOPMENT AND ENHANCEMENT OF "SPICE" MIDDLEWARE APPLICATION (REACTJS, ELECTRON, SWAGGER(OPEN API))

Played a pivotal role in advancing the "Spice" middleware application, designed to simplify payment experiences by abstracting the complexity of our SPI libraries into a Windows application. My efforts focused on system stability and API usability, directly improving the development and end-user experience.

#### "ESPRESSOPOS" APPLICATION ENHANCEMENT (REACTJS/TYPESCRIPT)

Significantly contributed to the "EspressoPOS" web application, showcasing the potential of mx51's payment integration. My work involved introducing new features and refining existing functionalities to elevate the user and developer experience.

#### "POS INTEGRATIONS" GREENFIELD PROJECT (NEXTJS/TYPESCRIPT)

Significantly contributed to the greenfield development of the "POS Integrations" web application, a project aimed at cataloguing and displaying information for mx51's integration partners. This role involved building the project from the ground up, improving project stability, introducing testing protocols, and creating tools to enhance developer efficiency.

#### REVITALISATION OF "MINIPOS" (JAVASCRIPT)

Revitalised the "MiniPOS" project, a straightforward implementation of mx51's SPI JavaScript library, aimed at demonstrating the ease of integration to developers. My work brought a dormant project back to life, updating its functionalities and documentation.

### INTERNSHIP - FULL STACK DEVELOPER

AUG 2022 - NOV 2022 (at Resorter)

Contributed to the implementation of Resorters flagship full-stack marketplace React application in a team of 4 developers reporting to the tech lead in daily standups.

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## PROJECTS

### EMERALD EAGLES FOOTBALL CLUB - WEB APPLICATION

Full-Stack React Application

2024 (Freelance job currently in progress)

- Developed a dynamic web application for the Emerald Eagles Football Club to streamline their e-commerce operations and social media engagement. The platform integrates directly with Facebook for social interactions and Square for both online and in-store POS systems, facilitating seamless transaction management.
- **Technologies Used:** Remix, Typescript, Facebook API, Square API, Vercel

### CRAFTY-TUKKA

Full-Stack React Application

2022 (5 week Coder Academy assignment)

- Created a comprehensive event organization platform for breweries and food trucks, featuring advanced Google Maps integration to facilitate event location planning and navigation.
- **Technologies Used:** React, Material UI, Rails, PostgreSQL, AWS S3, Axios, Google Maps API, Places API, Heroku, Vercel, Rspec, Jest, Notion

### PAYPROOF

Full-stack Rails Marketplace Application

2022 (3 week Coder Academy assignment)

- Engineered a secure marketplace application designed to provide tradies with customer proof-of-funds before job initiation, addressing a common industry pain point of non-payment.
- **Technologies Used:** Ruby, ERB, HTML, CSS, Bootstrap, Sass, PostgreSQL, Heroku, Amazon S3, Github, Notion

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## KEY SKILLS

### TYPESCRIPT AND JAVASCRIPT PROFICIENCY

Expertise in TypeScript and JavaScript, enabling the development of high-quality, maintainable code across various projects and frameworks like React.js, Next.js, Remix, and Electron.js.

### API DEVELOPMENT, INTEGRATION, AND DATABASE DESIGN

Experienced in developing robust APIs, integrating third-party services, and designing relational databases (RDBMS) with comprehensive ERD diagrams to enhance application functionalities and user experiences.

### ERROR HANDLING, DEBUGGING, AND PERFORMANCE OPTIMISATION

Advanced proficiency in identifying, debugging, and resolving complex software bugs, coupled with a strategic approach to optimising application performance for scalability and efficiency. This skill set significantly improves system stability and ensures high-quality user experiences.

### RELEASE MANAGEMENT & GITHUB WORKFLOW COLLABORATION

Experienced in coordinating and implementing release plans through effective GitHub workflow collaboration, ensuring smooth and timely deployment of new features and updates.

### AUTOMATED TESTING AND QUALITY ASSURANCE

Knowledgeable in creating and maintaining unit and integration tests (e.g., using Jest), contributing to higher code quality and reliability.

### CROSS-FUNCTIONAL COLLABORATION & CLIENT-FACING EXPERIENCE

Proven track record of effective communication and collaboration with cross-departmental teams and clients to achieve project goals and meet deadlines. This includes direct experience in client-facing roles, highlighting strong communication and problem-solving skills.