

# ANDY JIANG

## Software Engineer

[linkedin.com/in/andyjeigengjiang/](https://www.linkedin.com/in/andyjeigengjiang/) | [github.com/AndyJPG](https://github.com/AndyJPG)

+61 499 482 349 | [jiangjeigeng@gmail.com](mailto:jiangjeigeng@gmail.com)

Australia Permanent Resident

[Jiangjeigeng.com](https://jiangjeigeng.com)

Experienced software developer with over 5 years of expertise in frontend and full-stack development. Skilled in diverse technologies such as React, Vue, Remix, TypeScript, Node, and Python. Committed to creating scalable, high-performance, and user-centric applications. Known for improving user experiences, optimising performance, and driving projects to completion. Enthusiastic about learning and adopting new technologies and methodologies.

## Technical Skills

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**Programming Languages:** TypeScript, JavaScript, C#, Python, HTML, CSS, SQL, Swift, Ruby

**Frameworks:** React, Vue, NextJS, MaterialUI, TailwindCSS, Styled Component, Express, NestJS, Remix, React Native, DotNet, Rails, Unity

**Tools & Other Platforms:** Azure, Firebase, Vercel, Cloudflare, AWS, Google Cloud, GitHub, BitBucket, Jest, Jira, Webpack, Vite, Figma, Micro-frontends, Module Federation, Accessibility, Prisma, GraphQL

## Professional Experience

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### preezie

#### Frontend Engineer

- Led the migration of the company's CMS from Angular 4 to React 18, achieving a nearly 40% performance boost through Lighthouse analytics.
- Scaffolding Micro-frontend architecture with Webpack Module-federation, improved system stability and overall performance.
- Developed and launched a web widget that scaled to over 1 million users, contributing directly to the company's business growth.
- Built CI/CD pipelines on both Bitbucket and GitHub with GitHub Actions, significantly reducing deployment times and simplifying feature demos.
- Developed a Shopify app integrated with the main platform, enhancing e-commerce operations and improving client satisfaction.
- Developed a frontend for preezie AI with Preact, Styled Components, and Zustand, contributing to the company's acceptance into a prestigious AI program with Microsoft.

### B&E Foods

#### Software Engineer

- Created and optimized Python-based software for the stock purchasing team, enhancing decision-making and boosting productivity.
- Partnered with the accounting team to automate customer statement generation using Python, significantly reducing processing time and manpower needs.
- Designed and built a custom CMS integrated with Microsoft Cloud Database, streamlining inventory management and enhancing cross-departmental information sharing.
- Enhanced online store performance, achieving a 50% improvement according to PageSpeed Insights analytics.
- Developed and implemented VBA solutions for Excel, increasing efficiency and productivity across various departments.

### Cafeezy

#### Full-stack Developer Intern

- Optimised the company's React application to enhance overall performance.
- Built a dynamic feature using the serverless architecture with AWS API Gateway, AWS SES, Node, and AWS Lambda, increasing application flexibility.

- Developed a customizable serverless mailing solution with AWS Lambda, boosting system reusability and efficiency.

## Projects

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### Personal Portfolio

#### **Personal website with an AI assistant**

- Built a dynamic web application using Next.js and the ChatGPT API, enabling AI-driven interactions tailored to my personal information.
- Developed custom AI prompts to deliver accurate and context-aware responses.
- Implemented a user-friendly interface and seamless API integration to ensure a smooth experience.

### Unity Game Portfolio

#### **Unity Mini-game**

- Developed and published several engaging mini-games using C# and Unity.
- Achieved over 700 plays on Unity Play, showcasing player interest and engagement.
- Leveraged creative problem-solving and optimization techniques to deliver smooth, interactive gameplay experiences.
- Scripting game mechanics, user interfaces, and implementing physics-based interactions.

## Education

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**Master of Information Technology, Monash, 2019:** WAM: 70.6%,

## Referees

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**Yasir Fayrooz** – Senior AI Engineer @ [Agile Insights](#) (number provided upon request)

**Zen Farhat** – Senior Software Engineer & Mentor @ [Frontend Simplified](#) (number provided upon request)