

# Simon Cheng

## Product Engineer | Full-Stack Developer

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### | Professional Summary

Full-stack product engineer with 5+ years of IT and engineering experience, currently delivering complex e-commerce systems in Australia. Strong in backend services, integrations, and pragmatic frontend delivery that improves business workflows and user experience.

### | Work Rights & Availability

**Work Rights** Valid Australian work rights

**Notice Period** 2-4 weeks (negotiable)

**Preferred Locations** Melbourne | Sydney | Hybrid

**Target Salary** Open to market-competitive package

### | Key Achievements

- Delivered and maintained full-stack e-commerce features that improved internal workflow efficiency and customer experience.
- Integrated third-party and internal systems to reduce manual handling and support scalable operations.
- Transferred strong engineering analysis and problem-solving capability from aerospace to modern IT product delivery.

# | Selected Projects

## **Multi-Channel E-Commerce Pricing Platform (CET Mono)**

Recent

Node.js | TypeScript | Express | Prisma | PostgreSQL | Monorepo (14 services)

- Developed and maintained a pricing platform supporting 35+ channels including Amazon AU, Walmart Marketplace, and eBay.
- Delivered pricing engine, inventory-aware recommendation system, and promotion framework across services.

## **Zendesk Integration Adapter (Aftersale System)**

Recent

Node.js | Express | Zendesk | REST API | Integration Middleware

- Designed and built 50+ REST API endpoints for ticket creation, updates, merging, search, and export.
- Implemented unified ingestion from 40+ channels with tag-based classification for message/chatbot/email handling.

## **AIMCore Channel Profile (Full-Stack Management System)**

Recent

TypeScript | Express | Prisma | PostgreSQL | React | Vite | Docker | Bitbucket Pipelines

- Independently built channel master-data platform with channel profiles, commission structures, and analytics dashboards.
- Optimized high-volume sales query performance using date-based partitioning, indexing, and automated sync jobs.
- Owned containerization and CI/CD pipelines for consistent deployment across dev/prod environments.

# Work Experience

## Product Engineer

Apr 2021 - Present

Melbourne, Australia

- Develop and maintain full-stack web applications in the e-commerce domain.
- Build backend services and integrations between third-party and internal systems.
- Collaborate with product and operations teams to deliver reliable, maintainable solutions.

## Aircraft Strength Design Engineer

May 2014 - Apr 2019

Shenyang, China

- Designed and analyzed major commercial aircraft body structures.
- Conducted static, fatigue, and damage tolerance analysis for structural safety and performance.

# Education & Certifications

- RMIT University (2020 - 2021), Information Technology
- Harbin Engineering University (2008 - 2015), Master, Mechanical Engineering
- Professional references available upon request

Core Tech Stack: JavaScript, TypeScript, Node.js, Express, Prisma, PostgreSQL, React, Vite, Zendesk, Docker, CI/CD.