

# Ng Chin Chia

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## EDUCATION

University of Wollongong, Bachelor Degree of Computer Science Cyber Security

## TECHNICAL SKILLS

**Programming Languages & Markup:** JavaScript (ES6+), TypeScript, HTML5, CSS, Tailwind CSS

**Frameworks/Libraries:** React.js, Node.js, Express.js, FeathersJS, React Native (Expo), Zustand, Jest, Shadcn/UI, Material UI

**Databases:** MySQL, MongoDB, PostgreSQL, Redis

**Developer Tools:** Git, GitHub, GitLab, Jira, Postman, Insomnia

**Cloud/DevOps/Containerization:** AWS, Vercel, Docker, Podman, GitLab CI/CD

**Networking, Protocols & Messaging:** Kafka, HTTP/HTTPS, DNS, REST, SSE, OAuth 2.0, OpenID Connect, JWT, SSL/TLS

**Software Architecture:** Microservices, Distributed Systems, N-tier Architecture

**Operating Systems & CLI Tools:** Linux, Bash, Vim

## WORK EXPERIENCES

### ST Engineering

May 2025 - Present

**Software Engineer** | React.js, Feathers.js, Docker, Kafka, Podman, MongoDB, Linux, Keycloak

- **Resolved a high-severity** distributed system production bug impacting **mission-critical workflows** by debugging kafka propagation failures in inter-systems, **restoring 100% cross-system data consistency** in 3 interconnected systems.
- Maintained **distributed systems** supporting **35,000+ users**, reducing incident occurrences through log analysis and targeted fixes.
- **Rectified 20+ S1/S2 production incidents** by diagnosing state-handling and event-driven failures in distributed systems, preventing user data loss and workflow disruption.

### Mlion Corporation Pte Ltd

Nov 2024 - Mar 2025

**Software Engineer** | Node.js, Express.js, MySQL, Git, GitHub Actions, AWS, Jest, Insomnia, Jira

- Revamped monolithic backend system into modular **N-tier architecture** resulting in a **33% acceleration** in deployment cycles.
- Enhanced system performance by **reducing API endpoints' latency by 50%** through eager loading, eliminating N+1 queries.

### Nanyang Technological University LKCMedicine

Apr 2024 - Aug 2024

**Software Engineer** | React.js, Git, AWS, Node.js, DynamoDB, Postman

- Built a full stack EMR simulator in **4 months**, supporting **167 concurrent users**, accelerating project timeline by **33%**.
- **Optimized frontend performance** for global users via **CDN, code splitting** and **dynamic loading** to reduce initial load times.
- Implemented IaC using **AWS CDK** to provision resources, reducing manual configuration errors by **15%**.

### StarStruck Pte Ltd

Dec 2023 - Mar 2024

**Frontend Developer Intern** | React.js, TailwindCSS, Shadcn, Git, Zustand, Chart.js

- Developed frontend of a B2B platform using **React**, supporting **350+ marketplace integrations** to provide data driven insights.
- Collaborated with cross functional teams to **integrate APIs**, built responsive interfaces, delivering seamless user experience.
- **Reduced unnecessary API calls** via **debouncing** in search feature, easing server loads and **decreasing operational cost**.

## PROJECTS

**Beer Discovery Mobile App** | React Native, Node.js, Express.js, Mongoose, MongoDB, Google Cloud Platform

- Led the **full stack development** of a beer discovery mobile app, coded **80%** of the school's final year project.
- Designed and implemented **RESTful APIs** using **Express.js** and **MVC** to handle user interactions such as reviews, wishlist, etc.

## STRENGTHS

- **Collaborative** : Collaborate well with cross-functional teams to deliver fast results and always keen to learn from others.
- **Result-driven** : Consistently seeks to align engineering work with business value by optimizing for impact.
- **Self-Starter** : Independent learner and self-motivated. Fast to apply new technologies when they bring strategic value to a project.