

Lam Zhi Qiang

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Skills

Product & Project Management:

Product Lifecycle Management, Agile & Scrum Methodologies, Technical Roadmapping, Stakeholder Management, Requirements Gathering & Definition, User-Centered Design, Backlog Grooming, Wireframing & Prototyping, User Research & Testing, KPI Tracking

Technical Skills:

- **Languages** - JavaScript, TypeScript, Python, C++, SQL, PHP, HTML5/CSS3
- **Frameworks & Libraries** - React, React Native, Next.js, Node.js, Expo, TensorFlow
- **Databases & Cloud** - MySQL, PostgreSQL, MongoDB, Firebase, Supabase, Google Cloud Platform
- **Tools** - Figma, Git, JIRA

Experience

Props Factory (S) Pte Ltd

May 2024 – Jun 2025

Full Stack Developer & Junior Project Manager

- Successfully managed the complete project lifecycle for large-scale construction installations with high-profile clients like Resorts World Sentosa, overseeing **3-month timelines**, **6-figure budgets**, and **10-person cross-functional teams**.
- **Workforce Operations & Payroll Automation App [Expo, Supabase, Google Cloud, JavaScript]**
 - Led product discovery and requirements gathering with key stakeholders to define the vision and scope. **Digitised 5 complex manual workflows** into a cohesive product backlog and technical architecture.
 - Solely developed a mobile-first solution, featuring a **3-second facial recognition check-in**, automated payroll calculations, and multi-level approval flows.
 - **Impact:** Achieved **100% user adoption** across the workforce, **reduced payroll processing time by 90%**, and eliminated all paper-based operational workflows.
- **Corporate Website Rebuild & CMS Integration [Next.js, TypeScript, Framer Motion]**
 - Led the technical execution of a complete corporate website rebuild, translating business needs into a new Next.js architecture and managing the project from conception to deployment.
 - Integrated a user-friendly CMS to empower non-technical staff to self-manage content, saving an estimated **5 developer hours/month**.
 - **Impact:** Drove **11% monthly traffic growth** and **reduced the bounce rate by 9%**

Lagoon Laundry

Aug 2023 – Apr 2024

Part Time Customer Service & Frontend Designer

- Conducted **over 10 staff interviews** to identify process inefficiencies and improve service workflows.
- Co-designed a scalable POS system automating **50+ daily transactions**, **cutting processing time by 30%**.
- Introduced a loyalty rewards module that boosted customer retention and repeat purchases.

Aural-Aid Pte Ltd

Jan 2017 – Jun 2017

Product Design Intern

- Created company's first set of 5 standardised product manuals, **reducing new-hire onboarding time by 25%**.
- Self-taught parametric 3D modelling (Grasshopper, 3ds Max) to design and render **over 10 complex acoustic product models** for a website revamp.

Projects

Personal Portfolio Website [Next.js, TypeScript, Framer Motion]

Jul 2025 – Aug 2025

Full Stack Developer

- Developed an interactive, narrative-driven portfolio featuring a 3D globe and scroll-based animations to guide viewers through projects.
- Architected a scalable component system with responsive design, ensuring consistency across devices.
- Deployed with integrated performance analytics and real-time error monitoring for proactive maintenance.

Nutriwise (Final Year Project) [Expo, JavaScript, GraphQL, MongoDB]

Oct 2023 – Mar 2024

Project Lead & Product Strategist

- As the Project Lead, directed a cross-functional team through Agile sprints to deliver a diabetes self-management MVP.
- Conducted market and competitor research, identified target personas, and designed user-centric wireframes & prototypes.
- Coordinated development milestones, ensuring on-time delivery of core features that validated the product concept.

Education

Bachelor in Computer Science (Big Data)

Oct 2021 – Mar 2024

University of Wollongong, Singapore Institute of Management

- Graduated with Distinction
- Selected for a competitive semester exchange to Wollongong, Australia
- **Relevant Coursework:** Web Application Development, Agile Software Engineering, Database Systems, Machine Learning, Cloud Computing