

SCOTT CHEUNG

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SUMMARY -----

Full-Stack Developer with 2 YOE building web applications using **Next.js**, **React**, and **FastAPI**. Proven track record in cost optimization (\$15k/year saved), load time improvements (65% faster), and code efficiency (40% reduction). Experienced in owning projects end-to-end and delivering scalable, maintainable systems in production environments using Agile methodologies.

SKILLS -----

Frontend: TypeScript, React, Next.js, React Native, Tailwind, Framer Motion, Storybook, Redux

Backend: FastAPI (Python), Node.js, .NET (C#), Firebase, PostgreSQL, RESTful API Development

Cloud & DevOps: AWS (EC2, S3, RDS, VPC, Amplify), Vercel, GitHub Actions, Cloudfront

Tools & Testing: Figma, Jest, Lighthouse, React Testing Library, Postman, Swagger/OpenAPI

WORK EXPERIENCE -----

Bluesky Creations

Full-Stack Developer

June 2025 - Jan 2026

- Led architecture and end-to-end delivery of a loyalty platform using **TypeScript**, **Next.js**, **FastAPI**, and **AWS**, owning the full lifecycle from requirements to production deployment.
- Reduced operational costs by **\$15k/year** by migrating multiple projects from **WordPress** to **Next.js** on **Vercel**, improving page load speed by **65%** (**TBT < 70ms**) and achieving **90+ Lighthouse** scores.
- Built **CI/CD pipelines** with **GitHub Actions** and **Vercel**, enabling automated testing, deployments, and safe rollback for production releases.
- Designed and implemented an authentication solution using **Firebase Auth**, **FastAPI**, and **JWT**, supporting multi-provider login (**Google/Apple/OTP/Email**), short-lived ID tokens, automated token handling, and smart identity linking for multi-account recognition and seamless account merging.
- Redesigned frontend architecture with shared components, hooks, **Zustand**, **TanStack Query**, and core utilities, reducing code duplication by 40% across multiple applications (monorepo setup).
- Built a reusable **UI component library** with **TypeScript**, **Tailwind CSS**, and **Storybook**, and developed a reusable **animation middleware** with **Framer Motion**, standardizing container and trigger-based animations including FLIP transitions for smooth element transformations.
- Engineered and deployed backend services on **AWS (EC2, RDS/PostgreSQL)**, implementing robust database schemas (**SQLAlchemy + Pydantic**), secure **VPC configurations**, and optimized QR-based redemption workflows with server-side validation for data integrity.

Wolli Software

Web Developer

Oct 2023 - Mar 2025

- Developed and maintained responsive UI components using **React**, **Tailwind CSS**, and **Framer Motion** for production web applications.
- Integrated third-party services, including **Mapbox**, **Strapi CMS**, and **Shopify APIs**.
- Contributed to RESTful API development and Firebase authentication.
- Implemented internationalization (**i18n**) using **react-i18next**.
- Streamlined development workflows with **custom scripts** and **GitHub Actions**.
- Collaborated on **SEO and performance optimization**, using **Google Analytics**, **Lighthouse**, and **Microsoft Clarity**, reducing page load time by 20% and lowering bounce rate.
- Established testing protocols using **Jest**, improving code reliability and deployment confidence.

EDUCATION -----

Master of Information Technology - Artificial Intelligence

University of New South Wales _____ Sep 2022 - Jun 2024

Bachelor of Engineering - Functional Materials

Southwest University of Science and Technology _____ Sep 2017 - Jun 2021

Bachelor of Management - Business Administration

Southwest University of Science and Technology _____ Sep 2019 - Jun 2021

PORTFOLIO -----

- Rewowo Platform (<https://www.rewowo.com.au/>) | Lead Full-Stack Developer: A commercial loyalty platform built with Next.js, FastAPI, and AWS. Features include QR-code vouchers, merchant dashboards, and real-time analytics.
- Bluesky Creations Website (<https://www.blueskycreations.com.au/>) | Independently redesigned and rebuilt from WordPress to Next.js/Vercel with serverless forms that automatically notify submitters and save responses to Google Sheets; achieved 95+ Lighthouse scores.
- Recruit Complete Website (<https://www.recruitcomplete.com/>) | Lead Developer: A performant business website migrated from WordPress to Next.js/Vercel, achieving 90+ Lighthouse scores.
- Component System(<https://ui-v2-silk.vercel.app>) | Creator: A reusable Next.js component library with Tailwind CSS and Storybook documentation, standardized UI patterns for 3+ internal products.
- Design System (<https://gobell.vercel.app/design-system>) | Creator: A reusable Design System with Tailwind CSS documentation, adopted across multiple company projects.
- Leave Management Platform (Demo) (<https://leave-platform.vercel.app>) | Full-Stack Project: A feature-complete internal tool demo showcasing CRUD operations, user roles, and a modern UI.
- Personal Website & Blog (<https://xianzhe.site>) | Design & Development: A custom-built portfolio site with a CMS-integrated blog section.