YONGLI QIN

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SUMMARY

Full-stack engineer specialising in **TypeScript**, **React/Next.js**, and **Node.js**, shipping secure, performant SaaS features end-to-end. Hands-on with **AWS** (API Gateway, **Lambda**, S3, EC2), **Docker**, and CI/CD; strong at **RESTful API** design, **MySQL** schema optimisation, and accessibility. Product-minded collaborator who turns ambiguous requirements into reliable releases, using **AI-assisted workflows** to accelerate delivery.

WORKING EXPERIENCE

JobSciences   Melbourne, VIC
Full Stack Developer   *July 2025 – Present*
- Led the design and development of **Job Universe**, an internal meeting and job management platform, using Next.js and TypeScript, integrating RESTful APIs with a MySql database.
- Built responsive and accessible UI/UX with React.js, following WCAG and SEO best practices, and led deployment pipelines using AWS and Docker.
- Designed database schemas and wrote optimised SQL queries to ensure fast response times and accurate data retrieval for dashboards and analytics.
- Developed interactive dashboards for analysing job categories and presenting insights for management decision-making.

Agriculture Victoria Research, Victorian Government   Melbourne, VIC
Full Stack Developer (Intern & Part-Time)   *Dec 2023 – Dec 2024*
- Developed backend services using Python (**Django**) and Django REST Framework to deliver secure APIs and real-time data workflows.
- Created data storage solutions using **MongoDB**, optimised for scalability and resilience.
- Led the development of web-based visualisation features for **geospatial data**, enabling interactive map displays and location-based analytics.
- Integrated **React.js** dashboards with backend APIs to deliver responsive, user-friendly interfaces.
- Collaborated with cross-functional teams to define technical requirements, improve UX, and enhance platform performance.

SKILLS

Languages: TypeScript, JavaScript, Python, Java, SQL, HTML5, CSS3/**SASS**, Bash

Frontend: React.js, **Next.js**, Tailwind CSS, responsive UI

Backend: Node.js (REST API design), Spring Boot, Django REST Framework, Flask

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

Cloud & DevOps: AWS (EC2, S3, **Lambda**, API Gateway), Docker

Testing & Quality: TDD, Jest, Selenium, Postman

AI Development: Familiar with AI-driven/agentic workflows and coding assistants

PROJECT EXPERIENCE

GameBuddy Platform | **React.js, Spring Boot, MySQL, Docker, AWS**   Melbourne
Full Stack Developer   *Dec 2024 – Present*
- Built a social matchmaking system for gamers to find teammates based on rank and game type.
- Designed scalable Spring Boot APIs and integrated with AWS-hosted MySQL databases.
- Deployed backend to EC2, used S3 for media storage, and built responsive frontend using React.js.
- Established automated test/build pipeline using GitHub Actions and Docker.
- Designed and built responsive, accessible frontend using **React.js** and **Tailwind CSS**; implemented state management for matchmaking workflows.

Exchange Rate Tracker | **Flask, React.js, Redis, Kafka, CronJob**   Melbourne
Full Stack Developer   *Dec 2024 – Present*
- Developed a real-time currency monitor with auto-notification triggered via Cron + Python SMTP.

- Used Kafka to manage asynchronous updates and Redis for caching fetched exchange rate data.
- Built REST endpoints in Flask with frontend dashboards in React.js, deployed via Vercel.
- Developed automated test scripts using **Postman** and **Selenium** to validate API endpoints and UI workflows.
- Implemented secure token-based authentication for API access and integrated role-based permissions.

EDUCATION

University of Melbourne   Melbourne, VIC
Master of Information Technology   *Mar 2023 – Jul 2024*
- Relevant courses: Distributed Systems, Cloud Computing, Machine Learning, Natural Language Processing (NLP), Advanced Database Systems

University of Melbourne   Melbourne, VIC
Bachelor of Computer Science   *Mar 2019 – Nov 2022*
- Relevant courses: Software Design, Algorithms, Databases, Artificial Intelligence