

ERIC TANG

SOFTWARE ENGINEER | FULL STACK WEB DEVELOPMENT

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SUMMARY:

Highly motivated software engineer with 3 years of experience developing innovative web apps using modern technologies. My goal in tech is to build quality software that both empowers people and can stand the test of time.

SKILLS:

Programming Languages: JavaScript (ES6), TypeScript, PHP (7+), Python, SQL

Frontend: React, Next.js, HTML, SCSS, Tailwind CSS, Apollo GraphQL Client

Backend: Node.js, Express.js, Laravel, REST APIs, GraphQL, MySQL, SilverStripe CMS

DevOps & Methodologies: Git, Docker, AWS, CI/CD, Agile, Object-Oriented Programming, Test-Driven Development

WORK HISTORY:

MathsOnline, Sydney

Software Engineer

05/2024 – 09/2024

- **Optimised database performance** by implementing replication, Redis caching, and ORM optimisations using Laravel, reducing database load by 20%, lowering server costs and improving overall application responsiveness.
- **Optimised frontend performance and SEO** by strategically balancing SSR and CSR, integrating template engines and RESTful APIs, decreasing page load times by 40% and enhancing UI interactivity.
- **Led a major refactor of legacy CRM integrations** by developing a PHP SDK to decouple core business logic from API dependencies, improving system scalability, maintainability, and cross-team collaboration through more reusable and feature-rich CRM integrations.
- **Technologies used:** JavaScript, JQuery, PHP, Laravel, CodeIgniter, MySQL, REST APIs, PHPUnit

Writer's Toolbox, Auckland

Software Engineer

01/2022 – 04/2024

- **Improved UI responsiveness for a data visualisation tool by 90%**, leveraging React memoisation and window capturing to optimise render cycles, reducing load times by 10x and driving user engagement.
- **Built an import wizard that automated 60% of client onboarding processes**, cutting IT support costs by 33% and accelerating onboarding for new customers, improving the overall business operational efficiency.
- **Played a key role in the end-to-end development of a SaaS platform** for online examinations, improving the reliability and efficiency of exams across NZ schools, generating \$10.5k+ revenue on its initial launch day.
- **Led research and developed POCs** for microservices and ETL-based data warehousing using Kafka and Spark, paving the way for a distributed backend, enhancing infrastructure scalability and business analytics.
- **Collaborated with content, UX/UI, and product teams** to modernise an internal CMS tool, implementing intuitive UIs and SilverStripe API integrations to automate workflows, resulting in 30% faster content delivery.
- **Technologies used:** JavaScript, TypeScript, PHP, React, Node.js, GraphQL, SilverStripe, MySQL, PHPUnit

PROJECTS:

[Full Stack Task-management App](#) | [GitHub](#)

- Developed a task-management app with robust CRUD operations and user authentication, applying software architecture principles including Dependency Inversion, Repository Pattern, and testable service logic.
- Set up automatic deployments to cloud-hosting environments using GitHub CI/CD, Render, and Neon.
- **Technologies used:** JavaScript, TypeScript, HTML, SCSS, Node.js, Express.js, PostgreSQL, Jest, Render.

[Game Stats Dashboard](#) | [GitHub](#)

- Designed, developed, and deployed a real-time analytics dashboard for League of Legends, integrating the Riot Games API to fetch, transform, and display live data such as player performance metrics on a clean UI.
- **Technologies used:** TypeScript, Next.js, React, Tailwind CSS, Riot Games API, Jest, Zod, Vercel.

EDUCATION:

Bachelor of Science - Computer Science & Psychology | The University of Auckland

2019 – 2022

Achievements: Certificate of Outstanding Achievement in 5 core computer science courses.