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. Passionate about innovation and driven by personal values, I am seeking to join a team where I can contribute to lasting technical excellence within a collaborative, growth-oriented environment.

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

EXPERIENCE:

MathsOnline, Sydney

Software Engineer   *05/2024 – 09/2024*

- **Engineered a modular PHP SDK** to decouple core business logic from CRM API dependencies, enabling robust, maintainable, and feature-rich integrations that empower more effective customer interactions.
- **Optimised frontend performance and SEO** by strategically balancing SSR and CSR, integrating template engines and RESTful APIs using Laravel, decreasing page load times by 40% and enhancing UI interactiveness.
- **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.
- **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.
- **Architected and developed efficient GraphQL APIs and backend services in Node.js**, utilising TypeScript for type-safe and scalable code, handling 500+ concurrent client requests with sub-200ms response times.
- **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 to enhance infrastructure scalability and business analytics.
- **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.