Kyaw Zin Thiha

LinkedIn | + 44 (0) 7308712919 | kyawzinthiha.dev | kyaw.z.thiha@gmail.com | GitHub

Skills

- JavaScript | TypeScript | Node.js | React.js | Next.js | Express.js | Nest.js | Firebase | PHP Laravel | Rust
- MongoDB | PostgreSQL | MySQL | Prisma.io
- AWS | CloudFlare | OpenAI GPT
- Microservice | Distributed System | FullStack | OOP | Unit Testing | Payment Processing | Figma

Experience

Software Developer – CFD visualisation tools   - Aston Martin F1   03/2024 - Present

- Design and develop visualisation tools such as 3D model rendering, plotting and 2D image overlaying using React and Three.js.
- Implement and maintain the in-house model and state management with react and typescript.
- Improve the backend communication with different microservices using Django Rest Framework.

Web Developer   - Job Management and Quotation System   - T.K. Graphics   06/2022 - Present

- Designed and executed scalable APIs and backend processes in PHP Laravel and React, ensuring high accuracy through test-driven development to increase workflow efficiency within the quotation system.
- Led the streamlined design and development of MongoDB-based databases, ensuring robust and efficient data management.
- Enhanced and streamlined a legacy Laravel codebase, significantly improving performance and code clarity.

Software Engineer   - TypeScript FullStack Web Development   - Freelance   06/2022 - 02/2024

- Architected and implemented diverse web applications with Next.js, Nest.js, and MongoDB for personal and professional use, featuring ['scalable architectures', 'user-centric designs', or 'real-time data processing'].
- Engineered advanced recommendation systems with OpenAI GPT models, achieving personalised user experiences and lists.
- Mastered AWS and CloudFlare for robust cloud solutions in freelance projects.

Software Engineer   - Events, Tickets and Payment Management   - CampusLyfe   03/2023 -12/2023

- Launched CampusLyfe's enterprise platform using Next.js, Nest.js, and PostgreSQL, achieving a robust, scalable, and user-friendly application.
- Pioneered the integration of Stripe payment and webhooks for secure and efficient handling of customer orders, leading to enhanced customer satisfaction.

Projects

Markdown Parser   - Next.js, Markdown Parser, Monaco Editor   - GitHub

- Crafted a versatile Markdown editor using Next.js, excelling in complex syntax handling with responsive SCSS styling.
- Enhanced text editing in a Next.js framework with Monaco Editor for a superior user experience.

Cloud Vault   - AWS S3, CloudFlare R2, Magic-Link-Auth   - GitHub

- Implemented a secure cloud storage system leveraging AWS S3 and CloudFlare R2, ensuring robust data safety.
- Pioneered user security with Magic-Link, a passwordless authentication system, enhancing user data protection.

Education

BSc. (Hons) Computer Science (Top Up)   - University of Portsmouth   - Portsmouth, England   08/2022 - 05/2023

- Led multiple group projects and directed participation in coding competitions, enhancing leadership and team management skills.

HND in Computing   - Gusto University   - Yangon, Myanmar   06/2019 - 02/2022

- Presented AI and GPT machine learning research, receiving high approval from students and lecturers.