

Fam Fook Cheng

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WORK EXPERIENCE

9LOOP Software Sdn Bhd

Aug 2023 – Present

Software Engineer

Petaling Jaya, Selangor, Malaysia

- Develop system used by 48 licensed online casino operators. Includes handling 50 thousand deposits and 240,000 transactional wagers per day. AWS stack including ECS, CloudWatch, RDS (Postgres) and ElastiCache.
- Developed backend services using Node.js and Fastify, improving API response times by 25%.
- Implemented CI/CD pipelines using Bitbucket Pipelines, reducing deployment time by 40%.
- Maintained a full suite of unit, integration, and functional tests, increasing code coverage to 85%.
- Developed a custom internationalization (i18n) package, supporting 10+ languages.
- Designed a multi-DB, multi-tenant homogeneous database architecture, enhancing scalability and reducing query response time by 20%.
- Created custom PubSub service for inter-service communication, improving message delivery reliability by 30%.
- Built an in-house CRUD Generator to streamline development processes, reducing development time for new features by 20%.

Infollective Solution Sdn Bhd

Apr 2021 – June 2023

Full-stack web developer

Kuching, Sarawak, Malaysia

- Developed and maintained robust server-side applications using PHP, Yii2, improving system uptime by 20%.
- Designed and implemented secure APIs and web services, reducing data retrieval time by 30%.
- Integrated MySQL databases with PHP, optimizing queries to increase database performance by 25%.
- Ensured data integrity and consistency, achieving 99.9% accuracy in data storage and retrieval.
- Conducted backend testing and debugging, decreasing bug occurrence by 15% and enhancing code quality.
- Developed responsive and dynamic frontend components using JavaScript, HTML, and CSS, enhancing the overall user interface.
- Implemented backend features ensuring scalability and performance, handling up to 100,000 million user requests per day.

SKILL

- **Programming languages** – JavaScript, Typescript, PHP and Dart.
- **Libraries and frameworks** – Svelte, SvelteKit, Nodejs, Drizzle ORM, Fastify, gRPC and Protocol Buffers, React, Next.js, Yii2, Laravel, Flutter.
- **Tools and technologies** – AWS, Cloudwatch, ElastiCache, Docker, Git, PostgreSQL, MySQL, Netlify, Firebase, Figma, Postman, Android Studio.

EDUCATION

Universiti Malaysia Sarawak (UNIMAS)

Oct 2022

Bachelor of Software Engineering with Honours

Kota Samarahan, Sarawak, Malaysia

- Graduated with **CGPA 3.86**.
- Major courses such as object-oriented programming, data structures & algorithms, software engineering, database systems, operating systems and computer networks.

SELECTED PROJECT

- [Go Fitness](#) – Fitness website which recommends exercises, with targeted muscle group, to the user. Built with React, Tailwind, MaterialUI and Netlify.
- [Youtube Clone](#) – Youtube Clone website, which is built with React, MaterialUI and Netlify.
- [goldenfamfc.netlify.app](#) – Personal website built with React, Tailwind and Netlify.