Calvin Chun-yu Chan

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PROFILE

As an experienced software developer, I have been turning ideas into functional products for over a decade. In my entrepreneurial journey, I have worn many hats:

- **Strategy**: Collaborating with clients, teams, and stakeholders to formulate effective design and execution strategies.

- **Design**: Translating requirements into prototypes, visual designs, and user interfaces.

- **Tech-savvy**: Building scalable systems and choosing tech stacks for optimal performance.

- **Resource Management**: Overseeing code quality, testing, deployment, and infrastructure.

- **Leadership**: Coordinating developers to execute implementation and foster team growth.

SKILLS

Javascript • Typescript • NodeJS • Fastify • Supabase • ReactJS • MongoDB • PostgreSQL • Docker

EXPERIENCE

Senior Software Engineer   **EDU.INK Limited, Hong Kong**   **Jun 2019 - Present**

- Utilized Supabase, PostgreSQL and refineJS to implement realtime collaborative CMS, with SAML 3rd party authentication, role-based permission control, database-side triggers and validations.

- Worked closely with React Native developers to manage the iOS/Android mobile app development, smooth deployment and release pipelines on both platforms.

- Led the development of multiple SaaS products, including a student information system, admission and enrolment system, billing and online payment system, library system, school bus tracking system, parent-teacher communication platform.

- Led the transition from a single monolithic PHP app to modular and containerized NodeJS/MongoDB-based API servers, web console, and mobile client apps, resulting in improved scalability, functionality, and cost savings for end-users and stakeholders.

- Backend: NodeJS, MongoDB, PostgreSQL, Redis, Typescript, Jest, Supabase, Docker. Fastify for the API framework. OpenAPI for documentation and API input validation and serialization

- 3rd party integrations: Powerschool, eTapestry, Active Directory, Stripe, OneSignal, S3, Google Cloud.

- Frontend & mobile app: VueJS (v2), ReactJS, refineJS, React Native.

- CI & Infrastructure: CircleCI, BitBucket Pipeline, AWS EC2, Docker.

Senior Software Engineer   **GUZZU, Hong Kong**   **Jun 2017 - Sep 2019**

- Developed and deployed an e-commerce platform catering to small expat merchants in China. Created an array of products including: an inventory management system, shopping applications for web and mobile, WeChat integration, online payment gateway integration, customizable storefronts, and e-ticket issuance and redemption system.

- Backend: NodeJS, MongoDB, Redis. Frontend: AngularJS, WeChat Mini Program SDK.

Senior Software Engineer   **Giftpass Limited, Hong Kong**   **Mar 2013 - Jun 2017**

- As a part of a China Accelerator startup project, I designed and implemented a digital gift voucher platform that streamlines the management and consumption lifecycle for both consumers and merchants.

- Backend: NodeJS, MongoDB, Apple Wallet SDK. Frontend: AngularJS.

UX Designer   **Genesix Inc., Japan**   **May 2011 - Jul 2012**

- Designed user experience, interface, and visual design for multiple iOS apps targeting the Japanese market. Collaborated with the development team to create intuitive interfaces and visually appealing graphics, which received positive feedback from users and led to increased downloads and engagement.

Web Designer and Engineer   **A.C.O. Inc., Japan**   **Sep 2010 - Mar 2011**

- Created websites for international corporate clients using web design, rapid prototyping, and UI engineering skills with technologies such as Adobe Fireworks and jQuery.

- Developed a Facebook Page and social application for global marketing initiatives that successfully increased brand awareness and user engagement.

InnateDB Software Developer   **The University of British Columbia, Canada**   **Mar 2007 - Jun 2010**

- Designed and implemented a search engine and management system for international innate-immunology experiments (innatedb.ca). This system incorporates data visualization and report generation capabilities.

- Developed an intuitive UI for the management systems, facilitating ease of use and efficient data management.

EDUCATION

University of British Columbia — B.Sc., Computer Science, 2000 - 2003