Calvin Chun-yu Chan

hello@calvin-c.com • 604-356-2406   Github: https://github.com/calvincchan/readme
Burnaby, British Columbia, Canada   Linkedin: linkedin.com/in/calvincchan

PROFILE

As an experienced full stack developer, I have expertise in building micro-service based REST-API servers, creating web and mobile applications, managing cloud infrastructure and deployment pipelines. I'm always eager to learn and adapt to new technologies and techniques to achieve product goals.

SKILLS

ES6 • Typescript • NodeJS • ReactJS • Fastify • Redis • MongoDB • Docker • HTML/CSS

EXPERIENCE

Full Stack Developer   **EDU.INK Limited, Hong Kong**   **2017-Present**

- Redesigned the system architecture of multiple products including student information system, billing, admission and enrolment, online payment, library/e-library, parent & teacher CMS, live chat system, and mobile app.
- Transitioned from a single monolithic PHP app to modularized NodeJS/MongoDB based API servers, web console, and mobile client apps, resulting in improved scalability, functionality, and efficiency for end-users and stakeholders.
- Backend: NodeJS, MongoDB, Redis, Typescript, Docker. Fastify for the API framework. Bull for queue. OpenAPI for documentation and integrated API input validation and serialization. SocketIO for chat. Jest for testing.
- 3rd party integrations: Stripe, Mailgun, OneSignal, S3, Google Cloud Storage.
- Frontend & mobile app: VueJS, ReactJS, React Native.
- CI & Infrastructure: CircleCI, BitBucket Pipeline, AWS EC2, Digital Ocean Docker App platform.

Full Stack Developer   **GUZZU, Hong Kong**   **2017-2019**

- Developed and deployed an e-commerce platform catering to small expat merchants in China. Created an array of products such as inventory management system, shopping applications for web and mobile, WeChat integration, online payment gateway, customizable storefront, and e-ticket issuance and redemption system.
- Backend: NodeJS, MongoDB, Redis. Frontend: AngularJS, WeChat Mini Program SDK.

Full Stack Developer   **Giftpass Limited, Hong Kong**   **2013-2017**

- As a part of a China Accelerator Startup Project, I designed and implemented a digital gift voucher platform that streamlined the process for consumers, merchants.
- Backend: NodeJS, MongoDB, Apple Wallet SDK. Frontend: AngularJS.

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

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

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

- Created websites for international clients using web design, rapid prototyping, and UI engineering skills with technologies like Fireworks and JQuery.
- Developed a Facebook Page and social application for global marketing initiatives that successfully increased brand awareness and user engagement.

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

- Designed and implemented a search engine and management system for international innate-immunology experiments (innatedb.ca), incorporating data visualization and report generation capabilities.
- Developed intuitive UI for the management systems that facilitated ease of use and efficient data management.

Software Developer   **Active Logic Inc., Canada**   **2006-2007**

- Developed customer management system for a gaming platform.

Software Engineer &
System Administrator   **ehosting.ca, Canada**   **2003-2005**

- Performed customer management software development, hosting product development, Linux server administration, and MySQL database management.

EDUCATION

University of British Columbia — B.Sc., Computer Science, 2000-2023