

Lewis Cheung

Full Stack Developer

LinkedIn	https://www.linkedin.com/in/hoipangcheung/	Location	North York, ON
GitHub	https://github.com/HoiPangCHEUNG	Email	hoipang1e06@gmail.com
Portfolio	https://hpc-portfolio.vercel.app/	Contact	437 429 1328
Demo Prj	https://ttc-next-v2.vercel.app/		

(eligible to work in Canada without sponsorship)

Work History

Full Stack Developer | (4/2024 - Present) | [CPDFormula](#) | Markham, ON

Developed and optimised web-based solutions to enhance the online course platform, facilitating smooth course delivery for thousands of users across various professional industries like accounting & law.

- Key Contributions

- Develop AI-powered course creation tools, reducing the time needed to generate educational content by 70%.
- Integrate Twilio to enhance the sales team's ability to reach customers efficiently
- Monitor and improve website performance, including page speed and SEO rankings.
- Decomposed large tasks in the message queue into smaller, manageable units to enhance processing efficiency
- Migrate the backend from PHP to nextJS.

- Duties

- Develop and implement new features using React and Next14 based on Figma designs.
- Write clean, efficient, and maintainable code to ensure high code quality.
- Work closely with design, QA, support, and sales teams to ensure timely feature delivery.
- Contribute to mobile application development. (sometimes)

- Tech Stacks

- Backend: NextJs & Mysql
- Frontend: React with Typescript

Software Engineer III | (5/2023 - 12/2023) | [LassoMD](#) | North York, ON

- Key Contributions

- Integrated Twilio to handle Calling & Messaging service
- Built an internal dashboard from scratch for analyzing SEO performance & Core Web Vitals
- Integrated Typesense Search Engine for fast and accurate data retrieval

- Duties

- Worked closely with the client success team and sales team to understand the pain point of the current market and how we could address the issue.
- Integrated PubSub to break large applications into smaller but more maintainable services
- Wrote Pact test to prevent unexpected changes that will break existing features.

- Tech Stacks

- Backend: Python with FastAPI
- Frontend: React with Typescript, Tailwind, Radix, NextJS
- Testing: Pact Test, Jest, Pytest
- General & Infrastructure: Vercel, Docker, Terraform, GCP, Postgresql

Full Stack Developer | (11/2020 - 09/2022) | [SCMP](#)

- Key Contributions

- Developed a rich text editor for internal users to draft articles in async mode, which supports various text formatting, image sourcing, and link embedding.
- Independently implemented LiveBlog feature enabling editors from different countries to work on ongoing topics simultaneously without duplicating work.
 - [Sample article built on this feature](#)
- Replaced Drupal with our solution to save 50% on expenses annually.

- Duties

- Designed and developed an Event-sourced backend using CQRS architecture, ensuring high availability, scalability, fault tolerance and instant replay of previous edits.
- Established and managed RabbitMQ to publish/subscribe updates for effective communication between asynchronous systems.
- Revamped the workflow of WebSocket to tackle race conditions.
- Teamed on user-centric design strategy in translation of UI/UX and business requirements into coded solutions.
- Reviewed codes from other peers and offered technical advice or solutions.
- Investigated unusual CPU spikes in Kubernetes cluster to prevent unexpected downtime of applications.
- Integrated and maintained third-party services such as Google, YouTube, and Twitter.
- Built automated test suite and script for CI/CD.

- Tech Stacks

- Backend: Node.js with Express, MongoDB, RabbitMQ, Event sourcing, CQRS
- Frontend: Javascript with Vue.js & React.js, Typescript, Material UI, HTML5, CSS, Vuetify
- Testing: Python with Pytest, Javascript with Jest, Sinon
- General: Docker, Kubernetes, CI/CD, Restful API, GraphQL, AWS(EC2, S3), Socket.io, Vuex, Redux, WebSocket, non-relational databases (NoSQL), Google Analytics

Software Developer | (01/2019 - 10/2020) | [Prisec Limited](#)

- Key Contributions

- Designed and built an authenticator on top of OIDC protocol for hassle-free registration and login, while maintaining user anonymity.
- Implemented a highly efficient Python WebCrawler capable of automatically fetching and filtering millions of rows of targeted data daily, allowing easy analysis and processing.
- Developed and maintained automated test suite for any proposed feature changes, ensuring high-quality code and minimal bugs.

Education

Bachelor of Engineering in Information Engineering - [CUHK](#) (Class of 2019)