

# Calum Sheng En Lim

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## LINKS

[Personal Portfolio](#), [LinkedIn](#)

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## PROFILE

Hello, my name is Calum and I have 4 years of hands-on experience in designing and developing robust and scalable web applications. Proficient in Python, with extensive experience in building backend systems using popular frameworks like Flask and Django. Skilled in database design, performance tuning, and system optimization. Passionate about technology and constantly exploring new tools and frameworks to improve development efficiency. Comfortable with frontend development, and proficient in popular frameworks like Next.js, React and Vue.js. Committed to building high-quality, impactful products that exceed customer expectations. A strong collaborator with excellent communication and interpersonal skills. Seeking new opportunities to apply my skills and passion for technology to make a difference in a dynamic and innovative organization.

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## EMPLOYMENT HISTORY

Apr 2022 — Present

### Backend Developer, Cargobase Pte Ltd

Singapore (Remote)

- Developed and maintained core backend services using Django, Flask, FastAPI.
- Designed and optimized database schemas, improving system performance and reducing query times.
- Worked closely with the engineering team to define and implement new features and functionality in the system.
- Collaborated with Front-end developers to design and implement RESTful APIs that supported the company's web interfaces.
- Troubleshoot and resolved production issues, ensuring constant system uptime and providing support to internal teams.

Aug 2021 — Feb 2022

### DevOps Engineer | UI/UX Designer, Ministry Of Health Malaysia

Kuala Lumpur

Voluntary pro bono collaborator with the MOH open data initiative in building and maintaining COVIDNOW- the official Malaysian Government portal for data and insights on COVID-19.

Responsible for designing user-facing pages, setting up cloud infrastructure, and CI/CD pipelines. CovidNow had a peak of 350k users upon launch, approximately 7 million unique visitors, 44 million views, and 100 million clicks from all around the world as of October 2022. We had already anticipated this traffic and had scaled accordingly, thus managing to achieve zero downtime.

The portal is the single source of information on COVID-19 from MOH to keep the public well and easily informed on the state of the pandemic. The nature of the project also put a spotlight on public-private partnerships in tech, towards an all-of-society approach in the Malaysian Government's handling of a crisis, and boosted a culture shift in open data initiatives and data democratization.

As of October 2022, CovidNow has officially been retired, and is replaced by its successor: KKMNOW, visit the site at <https://data.moh.gov.my/>

Mar 2020 — Feb 2022

### Full Stack Developer, Ocean Nexus

Petaling Jaya

- Possess a high level of proficiency in utilizing Python, Django, Docker, Redis, Celery, and Postgresql in the development of web applications and REST APIs.
- Skilled in integrating payment gateways such as Stripe and EGHIL, and adept in deploying applications with NGINX, Cloudflare, and GCP Kubernetes for optimized performance and scalability.
- Experienced in creating landing pages, CMS, and dynamic user interfaces with Bootstrap, SCSS, jQuery, and JavaScript, ensuring a smooth and engaging user experience.
- Proficient in system architecture planning and wireframing to ensure efficient and effective implementation of web projects, leveraging best practices and industry standards.

Dec 2018 — Feb 2019

### Tech Intern, Digi-X

Kuala Lumpur

- Proficient in front-end mobile development using React-Native.
- Conducted quality assurance testing of mobile applications, including smoke, end-to-end, regression, and exploratory testing.
- Developed automation scripts utilizing the Appium library for automation testing (smoke & end-to-end) on both iOS and Android devices.
- Documented pre-setup, setup, and instructions for running automation tests using Appium, ensuring effective

knowledge sharing and seamless team collaboration.

· Performed automation testing on AWS device farm using Appium scripts, resulting in more efficient and comprehensive testing of mobile applications.

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## EDUCATION

Jul 2016 — Feb 2019	Bachelor of Computer Science, Monash University	Petaling Jaya
Jul 2015 — Jun 2016	Monash University Foundation Year, Sunway College	Petaling Jaya

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## SKILLS

Linux	Django
Docker	Postgres
JavaScript	Redis
Python	DevOps
NextJS	CI/CD

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## LANGUAGES

English	Highly proficient	Malay	Working knowledge
Mandarin	Working knowledge		