

## KEY TECHNICAL SKILLS

JavaScript/Typescript  
Python  
HTML/CSS  
NodeJS  
React  
React Native  
Django  
Docker  
Terraform  
MongoDB/DynamoDB  
PostgresDB  
AWS stack  
GitHub Actions  
Bitbucket/Jira  
DevOps  
AI/LLM Engineering

## CONTACT

0422 937 023  
chapmanmong@gmail.com  
<https://www.linkedin.com/in/chapman-mong/>  
<https://github.com/chapmanmong>  
<https://chapmanmong.me/>

## EDUCATION

**FinTech Bootcamp, Monash University (2021)**, Melbourne, Victoria  
A 24-week intensive program focused on technical skills in Python, SQL, Big Data, Ethereum and Solidity, Blockchain and Machine Learning

**Bachelor of Computer Engineering, University of Melbourne (2012)**

**CELTA, Certificate in Teaching English to Speakers of Other Languages, RMIT, Melbourne (2013)**

# Cheuk Man (Chapman) Mong

## SOFTWARE DEVELOPER

Australian Citizen  
Melbourne

## SUMMARY

Software Developer with 4 years of working experience in Typescript, React, React Native, Node, Python, Django, Postgres, Terraform and AWS cloud technologies. Achievements include spearheading projects such as integration with Kone lifts, My Parcel Locker and Salto Access System with a building management system with my previous job (Connecx) and building a CRM from scratch as well as a live rolling migration of data and services from old system to new one in my most recent role (Eyerising International). I have also recently built and deployed a full stack application (AWS, Terraform, CI/CD, React, ExpressJs) you can check out on [jh.chapmanmong.me](http://jh.chapmanmong.me).

## EXPERIENCE

**SOFTWARE ENGINEER** EYERISING INTERNATIONAL  
2024 May – 2025 Oct

Software Engineer in a two-man IT/software team supporting a global med-tech solution at a startup. Responsibilities include building a new system (React/Django in Docker containers, Terraform IaC, AWS, Auth0, Airwallex payment gateway) based on the current production system and migrating data from MongoDB to a Postgres relational database. The medical device is an embedded NXP device running Freescale Linux and runs a Qt C++ program which I also have to maintain/add new features and create a virtual cross-compilation platform in docker to compile binaries which cut down compilation time by 80%.

### Skills and responsibilities

- Building a new Frontend and Backend for the portal system as well as the API and logic to communicate with a medical device
- Design and implement complex business logic (subscriptions, plans, payment models, distributor/clinic hierarchies, multilanguage, automations, etc.)
- Migration of production MongoDB database to Postgres database and creating a synchronization system to keep them in sync during the transition phase
- Supporting business operations

## CERTIFICATIONS

- AWS Certified Cloud Practitioner
- AWS Certified Developer Associate
- AWS Certified Solutions Architect
- Google Project Management Certificate
- IBM Applied DevOps Engineering Professional Certificate (Currently studying)

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### SOFTWARE DEVELOPER CONNECX/SMART URBAN PROPERTIES AUSTRALIA

2021 Dec – 2024 Apr

Software developer in a small team (which grew steadily) at a startup. Responsibilities include adding new features and maintaining a residential building management SaaS system built on Typescript, React, React Native, AWS (DynamoDB, API Gateway, Lambda, etc.). Hired as an IoT and integrations engineer whose main responsibility is integrating with third party applications (Kone lift, My Parcel Locker, access control systems), but responsibilities rapidly grew due to unexpected change in staff.

Skills and responsibilities:

- Developing new features
- Maintaining and adding proprietary APIs
- Integrating with third party APIs
- Liaising with stakeholders (building managers, external developers, residents)
- Successfully completed new features such as Kone lift and Salto access control integration under tight deadlines
- Moved complicated portal codebase to Vite from Webpack for exponential performance boost.

### FREELANCE TRANSLATOR REMOTE

2015 - 2021

Chinese -> English translator of general and technical documents including websites, academic papers, press releases, manuals, documentation, and other content. Worked directly and indirectly with many well-known international companies to deliver native-sounding translations and content.

Skills and responsibilities:

- Exceptional research and written communication skills
- Ability to meet deadlines and work independently
- Coordination with stakeholders across timezones and cultures

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## PROJECTS

**Job Hunt Tracker** <https://jh.chapmanmong.me>

**A full stack application deployed on AWS**

Repository is private but happy to show and tell if requested

- **Cloud & Infrastructure:** AWS (ECS Fargate, RDS, ALB, CloudFront, ECR, Route53, Secrets Manager, IAM, S3), Terraform (IaC, modules, remote state)
- **Backend:** Node.js, Express, TypeScript, REST API design, JWT auth, bcrypt, PostgreSQL, parameterized SQL
- **Frontend:** React 19, TypeScript, Vite, Tailwind CSS v4, shadcnui, React Context API, component-driven architecture

- **DevOps:** Docker, Docker Compose, GitHub Actions CI/CD, CloudWatch logging
- **Security:** SQL injection prevention, secrets management, token-based auth, network isolation (private subnets, security groups)
- **Architecture:** Full-stack TypeScript, user-isolated data access, RESTful API conventions, modular IaC

### **Smart thermal jacket (capstone Uni project)**

<https://chapmanmong.me/projects/smartthermaljacket.html>

- Worked with two electrical engineering final year students to create a self-heating/cooling jacket that uses Peltier plates
- Responsible for programming an Arduino microcontroller (in C++) to create a user interface (buttons and LCD screen) and the logic for controlling 6 Peltier plates and the voltage for heating and cooling

Find other projects at <http://www.chapmanmong.me> and <https://github.com/chapmanmong>