



David Ng

Software Engineer




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 Web version





About

- 

 United Kingdom
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 Born in 1990
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 Home Page
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 neviumi
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 Kong Chor Ng

Skill

 Means I have mastered this skill.

Means I am at an intermediate level in this skill.

Check the README for a detailed

definition of 'mastered' and

'intermediate.'

Development

Master

- React

CSS
- Javascript

Express
- NestJS

NodeJS
- REST API

Typescript
- HTML

Intermediate

- GraphQL

Python
- MongoDB

Redis
- PostgreSQL

RabbitMQ
- Remix

NextJS
- TailwindCSS

SQL/NoSQL
- Microservices

Deployment

Intermediate

- AWS

Docker

CI/CD
- GitHub

Pulumi

GCP
- Github Actions

Project Management

Intermediate

- Agile

Scrum

Automated testing

Master

- Jest

Testing library

Intermediate

- Test automation

Vitest
- Cypress

Playwright

Languages

- Chinese

English

Summary

Accomplished software engineer with over 7 years of experience in full-stack development, web automation, and project management. Proven track record in mentoring junior developers, optimizing team productivity, and delivering robust, high-quality solutions. Seeking a dynamic company with a clear mission and a hybrid work environment.

Experience

Backend Engineer in Emma App Technologies

London, UK (on-site)

Mar 2024 - May 2024

Contributed to the development of a personal finance super-app, focusing on backend performance, integration, and user experience improvements.

- NodeJS

React

Typescript

NextJS

Open Banking

- Enhanced backend performance and integrated Open Banking connections with TypeScript and Node.js, streamlining bank connections for users.
- Developed key features including a referral page and QR code generator using Cloudflare Workers.
- Migrated onboarding and subscription flows to a web-based platform using Next.js, improving accessibility and user experience.

Software Engineer II in PlayStation

Liverpool, UK (remote)

May 2022 - Mar 2024

Developed an Access Control System to help partners manage tool access, focusing on frontend performance and design consistency

- NodeJS

React

Typescript

AWS

Jenkins

SCSS

Storybook

ZeroHeight

- Developed frontend for the Access Control System using TypeScript and React, collaborating with product, development, and QA teams on feature planning and deployments.
- Maintained a shared component library for consistent design across internal systems, working closely with designers.
- Improved MicroFrontend setup by implementing Module Federation, reducing bundle size by 10% and simplifying code sharing.

Software Engineer in Neat

Hong Kong / UK (Remote)

May 2021 - May 2022

Developed a registration system for companies using our digital wallet platform, contributing to both front-end and back-end functionality while enhancing team skills and system reliability

- NodeJS

React

AWS

Cypress

Docker

GraphQL

PostgreSQL

Circle CI

Mentorship

Ruby

- Built the registration system interface based on Figma designs and developed an admin dashboard for compliance review and verification.
- Established testing frameworks for backend and frontend using Jest, ensuring system reliability and a smooth user experience.
- Mentored junior team members, providing guidance on technical challenges and fostering skill development.

Software Engineer in HK01

Hong Kong (on-site)

Nov 2018 - May 2021

- NestJS

NodeJS

React

Typescript

AWS

Docker

MongoDB

RabbitMQ

Redis

Travis CI

Software Engineer in AfterShip

Hong Kong (hybird)

May 2017 - Sept 2018

- NodeJS

MongoDB

Redis

Beanstalk

Crawler

Data Developer in PCCW Now Media Limited

Hong Kong (on-site)

May 2015 - Apr 2017

- NodeJS

AWS

Python

MS Excel

## References

When I joined Neat I had limited experience with web development and JavaScript. Luckily, I had Chor on my team! Chor is extremely experienced in JS development and he's a very patient person. Despite the pandemic he made the effort to commute to office everyday to teach me the ins and outs of Neat's system face to face. He truly enabled the team to excel technically. He inspired us to use the best technologies for the job and explained them when needed. I hope to work together with Chor again in the future.

Rutger Huijsmans, Neat Lead Engineer

During two years of working with David, we learn, growth and teaching each others in many ways. He give great effort and contribution to the team. Suggesting different solutions and tools to help solving many technical problems. Most importantly David help mentoring Junior developers. To help them get through hard time and start contributing the team more quickly. Without David our team will not be that successful. Highly recommend him to any company for a excellent team player.

Ki-hong Chan, HK01 Assistant Manager

I worked with David for the past two years, He is an innovative team player and created many automated tools to improve team efficiency and product quality. He is able to apply his innovative mind on spotting quick solutions for complex problems, which is essential for a fast development pace. He is also very willing to speak up when he spotted problems and usually come up with solutions. If the right solution is obscure, he could manage to use data to deduce the right one. He is also willing to share his skills, knowledge and new findings to team members which improve the whole team productivity. I recommend him if you are looking for an engineer who can handle fast development cycles like startup company.

Alex Yeung, HK01 Senior Software Engineer

## Open Source Projects

### resume.json

<https://github.com/neviaumi/resume.json>

**Resume website that allows for quick and easy updates, ensuring format stability and effortless editing. This project enabled automated PDF exports upon deployment to GitHub Pages and facilitated the generation of tailored interview introductions based on job descriptions, enhancing my job application process.**

CSS Github Actions TailwindCSS OpenAI Web Component

- Built a dynamic, JSON-driven resume generator using TailwindCSS and WebComponents for effortless updates without format issues.
- Automated PDF export upon deployment to GitHub Pages for seamless resume sharing.
- Developed a tool to auto-generate personalized job interview introductions using OpenAI, based on job descriptions and initial prompts.

### Made in UK

<https://github.com/neviaumi/made-in-uk>

**Built a price comparison tool for online grocery shopping that tracks product prices across supermarkets, with country-of-origin filtering and custom alerts. Designed to streamline shopping while leveraging cloud and serverless technologies**

CSS React Typescript Docker GCP Github Actions GraphQL Playwright Pulumi Remix TailwindCSS

LLAMA.cpp Monorepos Serverless

- Developed a price comparison tool for major supermarkets, incorporating country of origin filtering and product monitoring to enhance the online shopping experience.
- Utilized GCP serverless components, Infrastructure as Code, server-side rendering, and LLMs for free-text processing, gaining hands-on experience with modern deployment and processing techniques.
- Managed end-to-end project lifecycle, including ticketing and maintenance workflows, ensuring continuous functionality and improvement.

## Education

### The Open University of Hong Kong

Sept 2012 - May 2014

Bachelor Information Technology