


David Ng






Software Engineer

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 Web version



About

-  United Kingdom
-  Born in 1990
-  Home Page
-  neviumi
-  Kong Chor Ng

Web Development

Master

React

CSS

Javascript

Express

NestJS

NodeJS

REST API

Typescript

Intermediate

GraphQL

Python

MongoDB

Redis

PostgresSQL

RabbitMQ

Remix

TailwindCSS

Cloud Deployment

Intermediate

AWS

Docker

CI

GitHub

Pulumi

GCP

Project Management

Intermediate

Agile

Scrum

Automated testing

Master

TDD

Unit Test

Integration Test

Jest

Cypress

Languages

Chinese

English

- Skill

Means I have mastered this skill.
- Skill

Means I am at an intermediate level in this skill.

Check the README for a

detailed definition of

'mastered' and 'intermediate.'

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

Mar 2024 - May 2024

London, UK (on-site)

A all-in-one mobile app to manage personal finance

NodeJS

React

Typescript

NextJS

Open Banking

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

May 2022 - Mar 2024

Liverpool, UK (remote)

Platform for game develop partner to manage member access in game development component

NodeJS

React

Typescript

AWS

Jenkins

SCSS

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

May 2021 - May 2022

Hong Kong / UK (Remote)

A digital wallet for companies to manage expenses through the issuance of company VISA debit cards and virtual bank accounts.

Cypress

NodeJS

React

AWS

Docker

GraphQL

PostgresSQL

Circle CI

- 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
- 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.

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 TailwindCSS GitHub Action 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 GraphQL Pulumi Remix TailwindCSS GitHub Action

LLAMA.cpp

- 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