

Software Engineer

Full Stack

Cloud Architect

Cloud Engineer

Profile:

A product-first, team-playing and holistically-oriented developer with a strong focus on stakeholder satisfaction - I'm a software engineer that enjoys bringing maximum value to the whole team. I'm always motivated to learn new skills and tackle problems.

Professional Experience:

● Exercised skills

July 2024 - Present

Graduate Software Engineer

Cirrus Software Solutions Ltd.

- Engineered clean, maintainable React-TypeScript components to construct a dashboard, integrating AWS to synchronise multiple sources of real time data to build a robust command centre for the web.
- Partnered with senior engineers to evolve cloud infrastructure deployment pipelines, achieving increased reliability and cost-efficacy to meet dynamically changing client requirements.
- Designed multitudes of cloud infrastructure architecture diagrams to solve client feature requirements, and held discussions weighing pros and cons [1] [2].
- Adopted the Agile methodology to strengthen productivity, code reviews to optimise features and learn, and Jira boards to manage workflow.

AWS DynamoDB

AWS S3

AWS Lambda

AWS CloudFormation

Jira

AWS CodePipeline

Docker

AWS SageMaker

Software Engineering Intern

Jun 2023 - Sep 2023

RecallAI (startup)

- Implemented MERN stack with TypeScript to build an AI flashcard site with excellent UX.
- Evaluated and solved rapidly changing requirements and problems to minimise technical debt by consulting stakeholders.

MongoDB

Cloud Storage

Frontend

Google Cloud Platform

React

Education:• **BSc Computer Science**

University of Bristol

Sep 2021 - June 2024

Graduated with 1st (First Class Honours)

Relevant Modules: Machine Learning, Computer Graphics, Artificial Intelligence.

Projects:

● Technical skills ● Soft skills

3D Raytracer 🔗

Oct 2023 - Nov 2023

I implemented a 3D renderer from scratch that demonstrates range of different types of rendering & lighting techniques. Achieved First class grade.

Skills:

C++

Object Oriented Programming

Multithreading

GLM

Time Management

Panderer 🔗

Jun 2023 - July 2023

I've constructed a real time web app to track approval rating for live streamers like stock prices, using Firebase to host, serve and manage infrastructure.

Skills:

React

TypeScript

Firebase

Google Cloud

Node.js

Vite

Clerk

Continuous Learning

VetDB

Sep 2022 - May 2023

I managed, designed and built a full stack app in team coursework to easily manage all student placements for the Bristol Vet School, migrating from legacy system. Achieved First class by delivering client satisfaction.

Skills:

MERN stack

Kanban

Agile methodology

Team orchestration

Client communication

Adaptability

Problem solving

Leadership roles:

Division Co-Head of Derivatives at Bristol Trading Society

Jun 2023 - May 2024

- Led a team of 10 analysts to manage a \$1m virtual portfolio, discussing trades, analysing economic events and learning about markets.
- Delivered a 19% ROI on this portfolio using a various option strategies, and long/short stock methods.

Project Manager for VetDB

Sep 2022 - May 2023

- Became the de facto project consultant & manager, leading a team of 4 members for the VetDB project
 - Oversaw the entire project life cycle, from client meetings, product designing, engineering and deployment.
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Extra-curricular & Interests:

Figma UI Designer

Utilised my skills to create visually appealing and user friendly interfaces for web applications in Figma. Used MUI toolkit to build sleek and familiar looking mock-ups and prototypes. This CV was designed and built using HTML and CSS.

Pottery Enthusiast

I took part in throwing pottery on the wheel as extra-curricular activity, honing clay shaping, glazing techniques and kiln operation.

Developed precision appreciation and attention to detail.

Successfully taught 1 fellow student to independently throw pottery and infuse passion in art pieces.

Languages:

- **English**

Proficiency level: Native speaker

- **Chinese (Cantonese)**

Proficiency level: Conversation level