

Software Engineer

Full-stack

Frontend Design

Cloud Developer

## Profile:

A product-first, team-playing developer with a strong focus on stakeholder engagement - I'm a software engineer that enjoys bringing maximum value to the whole team - including systems architecture, design, development: I'm always ready to learn new skills.

## Work Experience:

### Graduate Software Engineer

July 2024 - Present

Cirrus Software Solutions Ltd.

- Developed scalable software solutions using React, TypeScript and AWS to enhance user experience and maintain application performance
- Collaborated with senior engineers on cloud infrastructure, ensuring robust and maintainable architectures under a dynamic environment
- Utilised the Agile methodology to strengthen productivity, code reviews to optimise features and learn, and Jira boards to manage workflow.

DynamoDB S3 AWS Lambda AWS Cloudformation Jira React Full-stack

### Software Engineer

Jun 2023 - Sep 2023

RecallAI (startup)

- Product was an AI-driven SaaS that took user inputted audio and converted these into flashcards.
- Utilised MERN stack with SOLID-principled TypeScript, using advanced React features to build product.
- Solved rapidly changing requirements and problems in order to minimise technical debt and implement cleaner design patterns.

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, Software Engineering Project.

## Projects:

● Technical skills ● Soft skills

### 3D Raytracer

Oct 2023 - Nov 2023

Skills:

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

C++ Object Oriented Programming  
 Multithreading GLM Time Management

### Panderer

Jun 2023 - July 2023

Skills:

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.

React TypeScript Firebase Google Cloud  
 Node.js Vite Clerk Continuous Learning

### VetDB

Sep 2022 - May 2023

Skills:

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.

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.

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## Languages:

- **English**

Proficiency level: Native speaker

- **Chinese (Cantonese)**

Proficiency level: Conversation level