

Cameron Whitworth

Software engineer with 3+ years of experience designing and delivering scalable software solutions across cloud platforms. Skilled in Java, Python, and Cloud Services with experience in on-call infrastructure support. Passionate about code and eager to learn more.

Education

University of the West of England — *Computer Science BSc*

September 2018 - June 2021

First Class Honors, Bachelor of Science Degree

Experience

Institute of Physics Publishing (IOPP), Bristol (Hybrid) — *Software Engineer & 24/7 on-call support team member*

June 2022 - Present

- Java Developer for the ‘content delivery’ team of IOPP, working on gateways and content pipelines for transforming and sending publications. Extensive use of **Java**, **AWS cloud systems**, **Salesforce**, **Python**, **XML**, **XSLT**, and other related software.
- As an on-call support member, I respond to urgent out-of-hours incidents and alerts using tools such as **Icinga**, **Alfresco Software**, **AWS EC2/Linux Console**, and other **AWS tools** such as **CloudWatch**. Manage live issues, monitor infrastructure, and provide prompt responses to critical emails and calls to ensure minimal downtime. All incidents are **documented** to a high professional standard.

Digital Construction Technology, Bristol (Remote) — *Junior Full Stack Developer*

June 2021 - January 2022

Designing and building **web applications** (SaaS solutions) for clients' tailored requirements. Using **JavaScript**, **Vue.js**, **Docker**, **Google Cloud**, and **Python**. Primarily worked on administration software such as booking portals and finance tools for clients **Travis Perkins** and **BSS Industrial**.

Projects

Dissertation Project & 10,000 Word Essay — *Simulating Social Situations in Virtual Reality to Treat Social Anxiety Disorders (SADs)*

Built an **Android VR app** to simulate social situations (for example, taxi rides) to help treat people with SADs. The application was created using **Unity3D**, **Google SDK**, **Blender**, and written in **C++**. This project achieved the highest grade.

Message Board AI Chatbot (Einstein) — *Open Source Project*

Created an AI chatbot to fact-check and answer quick queries within public chatroom servers. Written in **Python** and utilising **Google AI**. Hosted on **Google App Suite**.

Engineering Education Scheme (EES) — *Moisture Sensor App*

Our team worked with a company (Date Palm Developments) with a budget of £2000 to fix an issue they had in Dubai with overwatering Date Palms. Created a sensor and app to monitor moisture. Presented at the ESS conference at Rolls-Royce Bristol.

Bristol, BS1

(Tel) 07702 067821

cameronwhitworth@hotmail.com

Skills

Programming Languages:

Java, Python, JavaScript, XML, XSLT

Frameworks and Tools:

Spring Boot, Maven, Node.js, Vue.js, React, Docker, Git

Test and Build Tools:

Junit, Pytest, Gradle, Github Actions, IDE debugging tools

Cloud Platforms and Services:

AWS (EC2, S3, Lambda, CloudWatch, etc.), GCP (Compute Engine, App Engine, Google AI), Salesforce, Brightcove

Infrastructure Support:

Linux, CloudWatch, Icinga, Splunk, On-Call Support, CLI tools and commands

Developer Collaboration:

Git, GitHub, GitLab, code review best practices, pair programming, ticketing

Teamwork Skills:

Agile methodologies (Scrum, Kanban), remote/hybrid, and in-person collaboration, clear documentation

Effective communication with technical and non-technical stakeholders

Experience delivering large-scale projects to strict deadlines

References

Mr. Phil Stevens

Company Owner

Digital Construction Technology

Mr. Ian Warner

Sr. Software Engineering Manager

Institute of Physics Publishing

(Currently at Amazon IMDB)

