

Obadiah Crowe

Software Engineer

10/9 Torphichen Place
Edinburgh, EH3 8DU
+44 07414 184539
me@obadiah.io

EXPERIENCE

Triskele Development, Hybrid — Director & Lead Software Engineer

JULY 2021 – SEPTEMBER 2023

Took responsibility of a team of developers across multiple concurrent client projects written in Java 17, ensured client expectations were met and managed various timelines / requirements to provide the best outcome. Worked on a branch-based deployment system utilising Kubernetes and GitHub Actions, alongside other technologies such as MariaDB, Redis, Kafka and Grafana throughout various client projects.

SAS Institute, Hybrid — Software Engineer

AUGUST 2022 – FEBRUARY 2023

Worked on various Java 8 and 11 Spring Boot microservices for SAS Visual Investigator supporting SQL Server, MySQL, PostgreSQL and various other implementations. Role primarily focussed on working with various database engines and ensuring that data remained consistent across both. Other technologies used were Elasticsearch, Gerrit, and various unit testing frameworks which were extensively utilised.

Gizmo Servers LLC, Remote — Senior Software Engineer

JUNE 2021 – SEPTEMBER 2023

One of the primary developers behind Atlassian's BigBash2021 event, in which specifications were provided by Atlassian Corporation Plc and implemented with rapid turnaround. Worked on scaling our in-game event to thousands of Atlassian's around the globe, whilst providing support during the event lifecycle. Java, Kubernetes, Redis, and MariaDB were used extensively in this project, alongside integration with 3rd party RESTful APIs.

Bloom Learning Inc (ENDER), Remote — Software Engineer

FEBRUARY 2022 – JUNE 2022

Worked on a scalable Java-based server infrastructure to support 10,000 concurrent users through Amazon EKS, S3, and an in-house communication system built with Redis. Communication with AWS was

SKILLS

Agile Development
Methodology

CI/CD Setup and Workflow

Linux Administration

Docker and Kubernetes Setup

AWS / GCP Administration
and Deployment

DevOps Lifecycle Setup

Task / Product Management

REFERENCES

Kaelin Hooper – ENDER
k@joinender.com
+1 305 484 1196

Taylor Geissmann –
Blackwave Pty Ltd
admin@blackwave.co
+61 0401 842 984

LANGUAGES

Java, C#, Swift, Kotlin,
JavaScript, Bash, Dockerfile

built through a RESTful API and ensured that the network could react to varying degrees of load. Alongside this, PostgreSQL and GraphQL were utilised for hard user-data storage and communication with other parts of the platform. Heavily utilised concurrency to achieve higher concurrent users.

Blackwave Pty Ltd, Remote — Senior Software Engineer, Project Lead

MAY 2019 - JUNE 2022

Inherited a legacy Java codebase and established a development team to update it to meet the company's needs. Throughout this role, I handled task delegation alongside determining cost-benefit analysis of various areas of the business. MariaDB was utilised for hard data storage with Redis being used for a cross-server communication system built on top of Redis PubSub. In conjunction with this, InfluxDB and Grafana were utilised extensively to make data-driven business decisions and influence the current state of development.

Hut12, Adelaide, Australia — Full Stack Engineer

MAY 2018 -- DECEMBER 2018

Full stack developer on the Hut12 project, built for the construction industry in Australia, heavily utilises Microsoft SQL Server, integration with external 3rd party services such as Auth0 and SendGrid. Integrates principles of continuous integration and test-driven development. Key aspects of the backend included user management / authentication, providing methods for the front-end to access through sockets and a REST API. Front end work included working with TypeScript in developing the systems' 'Timeline' feature. This system has been designed for usage in Australian businesses resulting in great attention to detail and ensuring that absolute performance is achieved.

Self Employed, Remote — Software Engineer

JUNE 2017 - MAY 2021

Completed tasks for multiple concurrent clients which ranged in complexity from simple programs utilising image manipulation, to scalable learning management suites which compassed use of MariaDB, Redis and scraping various 3rd party platforms.