

# Owen Shaw

Junior Software Engineer

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Portfolio: oshaw1.github.io

Graduate Software Engineer at Bosch with expertise in Java, Go, JavaScript, HTML, CSS, and SQL/No-SQL Databases and Experience with DevOps tools (Git, Jenkins, Docker).

Professional focus on Java and Go development, with personal projects exploring AWS, React and Docker. Skilled in Spring Boot, JMeter, and JQuery. Combines strong software engineering principles with a continuous learning mindset to tackle complex challenges. Proficient in Linux-based systems and deployment technologies, enabling streamlined development processes and enhanced system efficiency.

## Personal Projects

### Go Encrypted Password Manager

I'm currently developing a password manager in my free time, implemented entirely in Go and utilising AES encryption. The project utilises Fyne for the user interface. I initiated this project to deepen my understanding of both the Fyne toolkit and Go, skills directly applicable to a work project on which I lead development.

### Sync Scribe

Created a cloud-based collaborative note-taking app with asynchronous features leveraging CRDTs and NoSql storage. Built a full-stack solution using Go (backend), React (frontend), and MongoDB (database). Containerised with Docker and deployed on AWS. This project was undertaken to further software development skills and demonstrates a proactive approach to mastering new technologies, especially Rest Services, API Endpoints, React, AWS, Docker and Go

### Emotion Recognition AI

During my Dissertation I utilised deep learning techniques to build a neural network model for recognising emotions from facial expressions. I trained the model on a dataset that contained images of individuals with various emotional expressions and fine-tuned it to accurately predict emotions such as happiness, sadness, anger, fear, surprise, and neutral. The end result was a robust model that could accurately classify emotions in real-time.

## Career Experience

Bosch Automotive Service Solutions, Manchester  
Graduate Software Engineer

September 2023 – Present

Developed and maintained internal software tooling and backend services,

Developed new features for, and maintained a test application written in Java, Capable of testing the performance of REST endpoints attributed REST services within a larger system at scale, to ensure the services can scale with demand.

Lead a solo project and development on a "full-stack" internal documentation publishing tool written in Go.

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Ten10  
Junior Technical Consultant

March 2023 – August 2023

Received training covering a variety of technical subjects including over the course of three months including: Software design principles, Software testing, Java development, Devops

## Education

Bsc (hons) Software Engineering 2:2  
Edge Hill University, Ormskirk

BTEC Extended Diploma In Computing D\*D\*D\*  
John Rigby College, Wigan

7 GCSEs Grades A-C  
St Edmund Arrowsmith Catholic High School, Wigan

## Technical Proficiencies

Java	Experience in Java Microservices and Application Development.
Go	Go (Golang) Development: Proficient in building efficient, concurrent applications.
RESTful API Development	Experience in designing, developing, and consuming RESTful APIs in Both Java and Go.
Web Development	Proficiency building and deploying web pages using HTML, CSS, JavaScript (React).
Software Systems Architecture	Proficient in designing and implementing diverse solutions including single-language applications, full-stack platforms, and asynchronous collaborative systems, leveraging multiple technologies to create efficient, scalable, and secure architectures.