



# Joseph Batchelor

SOFTWARE DEVELOPER

## Details

Chelmsford, Essex

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## Links

[GitHub](#)

[LinkedIn](#)

## Skills

Java

JavaScript

SQL

Python

React.js

AWS

Spring

Hibernate

JPA

Jenkins

Maven

JUnit

MySQL

Postgres



## Professional Summary

As a recent graduate with a strong background in computer science, I am excited about the opportunity to bring my passion for technology and aptitude for programming to a fast-paced, high-growth environment. My skills and experience have been honed through various personal projects, academic experience, and a constant drive to learn and improve. This has provided me with a solid foundation in languages such as Java, JavaScript, and Python. I am confident in delivering high-quality code and contributing to any software development team success.



## Education

### Computer science with cybersecurity, University of Brighton

SEPTEMBER 2019 – JUNE 2022

Graduated with a BSc Honours: **First-Class**

**Specialised in:** Object-Oriented design and architecture, data structures and algorithms, secure networks and systems, concurrency, and clients-server computing.



## Employment History

### Bartender, Las Iguanas, Brighton

FEBRUARY 2018 – JUNE 2022

- Demonstrated **advanced problems-solving** and **time management skills** through effectively managing busy shifts and unexpected challenges, accomplishing a decrease in error and mistakes, and an improvement in overall efficiency.
- Improved **Communication** and **teamwork skills** through training and mentoring new team members. Resulting in an increase in team productivity and reducing customer wait times by 20% through **efficient multitasking** and time management skills.
- Proved to be **adaptable** and **flexible** by learning and adjusting to varying procedures, including the ability to **seamlessly adapt** menu changes, ingredient availability, and recipe modifications, which led to a rise in customer satisfaction and repeat business.
- Organised and executed successful cocktail masterclass events, resulting in a 10% increase in revenue through effective up-selling and promotion of menu items.



## Software Projects

### Open Banking Application

- Develop a **responsive web application** that allows users to access and manage financial data from multiple FSCS-approved banks through a single platform within an 8-month time frame using an **agile methodology**.
- Acquired proficiency, both **Node.js** and **Express** in 1 month to **construct a robust Restful backend server**.
- Expertly **implemented a secure data retrieval API** that enabled efficient storage and management of persistent data using SQL.
- Enhanced data security by quickly learning and **implementing OpenSSL's AES encryption** for data transmission.
- Met my deadline and delivered a user-friendly platform that allowed users to access and manage data. Resulting, in me obtaining a First for my final year project.

### Photo Managements Application

- Developed a **Java-based cloud** photo management application **utilising AWS** for reliable and scalable infrastructure for my university Code-fest kick start programme.
- Acquired proficiency in **Java** to **optimise memory efficiency** through **advance Lossy compression** techniques to maintain perfect image quality.
- Bulit a **robust and scalable back-end infrastructure** using **Java, Spring-boot, Hibernate, and JPA**. Resulting, in seamless data storage and retrieval capabilities.
- Received **positive feedback** from professors and industry mentors who reviewed my work.

### Facial Recognition Application

- Develop a **Java-based** facial recognition application utilising the **OpenCV** library, capable of real-time image and video processing.
- Implemented advanced algorithms and training models to provide facial recognition, achieved significant performance enhancements through the use of **multi-threading**.
- Delivered an innovative solution that provides real-time facial recognition of images and frames of videos, with improved performance and accuracy.



## Achievements

### Winner of the Second Annual Codefest

I won the second annual codefest in the second-year category. A competitive university event that allowed me to apply my coding skills, **critical thinking skills**, and compete tasks in a **highly competitive environment**. Tasks included navigating **data structures**, creating a simple weather app for pilots, and array of **abstract problem-solving**.