

# Joseph Batchelor

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## Skills

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- Python | SQL | C++ | HTML/CSS | PHP | Java | JavaScript (ES6)
- AWS | Git | Junit | React.js | Linux | MySQL | Node.js | Jenkins | jQuery | OOP | Jest | Express | Spring | CI/CD
- Java Developer | Frontend | Backend | Full-Stack | Cybersecurity

## Education

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**BSc Hons Computer Science with Cybersecurity** | Classification: **First**

Brighton University | September 2019 - June 2022

**Modules:** Object-oriented design and architecture, data structures and algorithms, secure networks and systems, concurrency, and client-server computing.

## Employment history

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**Las Iguanas | From February 2018 to June 2022**

Bartender

- Improved communication and teamwork skills through interacting with customers and collaborating with colleagues.
- Developed strong problem-solving and time management abilities through managing busy shifts and handling unexpected challenges.
- Demonstrated adaptability and flexibility by quickly learning and adjusting to new environments and processes.

## Notable software projects

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### Open banking application

- Developed a responsive web application that allows users to access and manage financial data from multiple FSCS-approved banks through a single platform.
- Utilized Node.js to build a RESTful backend server and implement persistent data storage using an online database.
- Enhanced data security by implementing AES encryption for data transmission.
- Technologies used: **HTML/CSS, JavaScript, Node.js, PHP, SQL, Express Framework, True Layers Data REST API and AWS.**

### Digital receipt ledger

- Designed and implemented a Java-based application for scanning, organizing, and accessing digital receipts.
- Improved memory efficiency by using Java to compress images.
- Built a backend application using Java and Spring to enable persistent data storage in an online database.
- Technologies used: **Java, Spring, React, Junit, and AWS.**

### Facial Recognition app

- Developed a Java-based application for real-time facial recognition of images and frames of videos using the OpenCV library.
- Implemented advanced algorithms to detect and track facial features, including eyes and mouth.
- Improved performance through the use of multithreaded programming.
- Technologies used: **Java, OpenCV.**

## Achievements

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### Winner of the Second Annual Codefest

- A **competitive** university event that allowed me to apply my **coding skills, critical thinking skills**, and complete tasks in a **highly competitive environment**. I went on to become the 2021 winner in the second-year category.
- Codefest 2021 presented tasks such as navigating **data structures**, creating a simple weather app for pilots, and an array of **abstract problem-solving**.