

Joseph Batchelor

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Skills

- Python | SQL | C++ | HTML/CSS | PHP | Java | JavaScript (ES6)
- AWS | Git | Junit | React.js | Linux | MySQL | Node.js | Jenkins | jQuery | OOP | Jest | Express | Axios | Spring | CI/CD
- Software security | Frontend | Backend | Full-Stack | Engineering — All at a professional level or higher

Education

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

Las Iguanas | From February 2018 to June 2022

Bartender

- I constantly honed my ability to **communicate effectively** and **with confidence**. This helped minimise problems and errors when working as a team or independently.
- I gained a better understanding of **urgency and prioritisation** when working busy shifts. I applied this understanding to projects, which has allowed me to deliver quick and concise solutions error-free.
- Due to constant restaurant changes, I can learn and adjust to different environments without being overwhelmed.

Notable software projects

Open banking application

- A responsive web application that allows users to access different financial data from various FSCS-approved banks from a single application.
- Integrated a RESTful backend server using Node.js, enabling financial data to be persistently stored in an online database.
- Improved data transmission by encrypting channels using AES encryption.
- Worked using **HTML/CSS, JavaScript, Node.js, PHP, SQL, Express Framework, True Layers Data REST API** and **AWS**.

Digital receipt ledger

- I designed and implemented an application to physically scan or download receipts to keep, organise, and provide quick accessibility using **Java, React, Junit**, and **AWS**.
- Increased available memory by compressing images using **Java**.
- Integrated a backend application using Java, enabling data to be persistently stored in an online database.

University payment system

- Collaborated and developed a payment system for my local university student shop. This allowed students to perform self-service transactions using modern payment services created using **Java, React, Junit**, and **Jenkins**.
- Introduced an arrange of third-party payment services such as apple pay and PayPal using integrated **REST API's**.
- Improved and established secure transactions by implementing an **SSL** connection.

Achievements

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**.