

Sofiane Belbrik

Software developer graduate | MSc Artificial Intelligence, BSc (Hons) Computing Systems.

Proficient in Python application development, PostgreSQL database integration, and AWS cloud services.

With practical experience in real-world software engineering projects across web development and the energy industry.

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Github: [sofianebelbrik](https://github.com/sofianebelbrik)

EDUCATION

Bachelor of Science (Honours), Computing Systems

Ulster University, London campus 2019 – 2022

Modules: Software Development | Object Oriented Programming | Web Application Development | Mobile Technology | Database Systems | Computing Systems Project | Embedded System Design | Computer Hardware | Human Computer Integration | Mathematics for Computing.

Overall Result: 2.1

Master of Science, Artificial Intelligence Technology

Northumbria University, London campus 2022 – 2023

Modules: Computing and Digital Technologies Project, Information Governance and Cyber Security, Leadership in a Digital Age, Research Methods for Professional Practice, Artificial Intelligence for Internet of Things (IoT), Programming for AI, Machine Learning on Cloud.

Overall Result: distinction

TECHNICAL SKILLS

Python | C++ | HTML | CSS | JavaScript | React | Firebase | PostgreSQL | MySQL | AWS S3 | Amazon EC2 | NumPy | Pandas | Matplotlib | Seaborn | Django

WORK EXPERIENCE

Engineering Documentation and Software Support Specialist

INPROTEC Industrial Process Technologies

08-2024 – present

- Provided CAD-based technical support for Distributed Control Systems (DCS) and Emergency Shutdown Systems (ESD) documentation.
- Assisted in developing control systems software by collaborating with senior engineers on initial testing and simulation modeling, contributing to key functionalities in C++ and supporting software verification tasks for project quality assurance.
- Assisted in simulation modelling and software verification tasks, contributing to document accuracy and system tuning.

PROJECTS

Artist Website | [Github Link](#) 07/2024 – 09/2024

- Developed a dynamic artist website using React and Next.js, incorporating a responsive front end with an intuitive user interface.
- Built and optimized secure back-end APIs with Node.js and PostgreSQL, enabling real-time data handling and multimedia management to support high user engagement.
- **Implemented** scalable storage solutions using **AWS S3** for efficient media storage and retrieval, improving load times and enhancing the user experience.
- Designed a content management dashboard for artists, allowing for direct updates to music, videos, and store items, streamlining subscriber engagement and site management.
- Ensured security and scalability of the platform, adhering to best practices in API design, database management, and server configuration.

Excellent references available on request.