Sofiane Belbrik

Summary:

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.

Phone: +44 7554673692 Email: [belbrik\_sofiane@yahoo.com](mailto:belbrik_sofiane@yahoo.com) LinkedIn: [sofiane-belbrik](https://www.linkedin.com/in/sofiane-belbrik/) Portfolio website: [sofianebelbrik](https://github.com/sofianebelbrik)

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

**EDUCATION**

**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**

**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**

**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](mailto:https://github.com/sofianebelbrik/artist-website)  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.