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.

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LinkedIn: <https://www.linkedin.com/in/sofiane-belbrik/>

**EDUCATION**

**Master of Science, Artificial Intelligence Technology**

Northumbria University, London campus 2022 – 2023  
Key modules: Information Governance and Cyber Security | 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  
Key modules: Software Development | Object Oriented Programming | Web Application Development | Mobile Technology | Database Systems | Computing Systems Project | Embedded System Design | 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

09-2024 – present

* Provided CAD-based technical support for Distributed Control Systems (DCS) and Emergency Shutdown Systems (ESD) documentation.
* Drafted and updated engineering documents for client testing and project support, aligning documentation with red mark-up copies to ensure accuracy and readiness for new projects.
* Collaborated with senior engineers on control systems software development, supporting initial testing, simulation modelling, and software verification to enhance functionality and ensure project quality in C++.

*Web Development Intern (Backend and Frontend)*

SHIFTIN

06-2024 – 08-2024

* Developed and maintained responsive web applications using React for front-end and Node.js with Express and MongoDB for back-end, enhancing functionality and user experience.
* Collaborated with a cross-functional team to design and implement new features, optimising API integration and reducing load time by 20%.
* Contributed to document accuracy and system tuning by streamlining verification tasks and optimising project workflows.

**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, creating a responsive front end with an intuitive user interface.
* Built and optimised secure back-end APIs with Node.js and PostgreSQL for real-time data handling and multimedia management, boosting user engagement.
* Implemented scalable storage solutions with AWS S3 for efficient media storage, improving load times and enhancing user experience.
* Designed a content management dashboard for direct updates to music, videos, and store items, streamlining subscriber engagement while ensuring platform security and scalability through best practices in API design and server configuration.