

✉ nathanjoeldev@gmail.com

☎ +44 7519 197540

🌐 NafanJ

Nathan Joel

Software Engineer

EDUCATION

Queen's University Belfast

Sep '17 - Jun '21

Software Engineering with Placement (BEng)

First Class Honours

Relevant Modules: Object Oriented Programming, Databases, Software Testing, Video Analytics and Machine Learning

PROFESSIONAL EXPERIENCE

Johnson Controls

Jun '21 - May '22

Software Engineer

Development:

- Contributed to the creation of RESTful APIs by employing Python-based frameworks, notably Flask for API construction and Swagger for API design.
- Designed and implemented a range of dynamic front-end functionalities using React and Node.js, enhancing user interaction and interface responsiveness.
- Demonstrated proficiency in integrating backend services, ensuring seamless data flow and improving overall application performance.
- Maintained comprehensive documentation for API services, facilitating easier integration for front-end teams and external users.
- Proactively addressed production bugs and contributed to code reviews, adopting best practices in software development to maintain high-quality code standards.

Testing:

- Spearheaded the implementation of automation testing using Selenium and HTTP requests, significantly increasing API test coverage and efficiency by 40%, reducing manual testing effort, and enhancing the reliability and speed of release cycles.
- Utilized Jenkins to improve CI/CD workflows for automatic software deployment, boosting development productivity.
- Conducted more than 500 test cases and generated regular reports to guarantee extensive test coverage.

Agile:

- Participated in the full software development lifecycle, from requirement analysis to deployment, ensuring timely delivery of features.
- Coordinated effectively with internal teams and stakeholders to ensure seamless requirement fulfilment.
- Planned, tracked, and managed deliverables across short-term sprints.

Johnson Controls

Jun '19 - Jun '21

Software Engineer Intern

- Developed a logging system for Video Management Software using C#, with MFC and Regex, reducing troubleshooting time and improving software issue diagnosis efficiency.
- Employed version control tools like Git to manage codebase changes and collaborate effectively with the development team.
- Engaged in continuous learning to stay up-to-date with the latest technologies and best practices.

PERSONAL PROJECTS

Securify

<https://www.securifyonline.com/>

- Implemented a CI/CD Pipeline using GitHub Actions/AWS Amplify for seamless autonomous regression testing and deployment.
- Ensured mobile device compatibility through the implementation of media queries.

Linktree

<https://nafanj.github.io/linktree/>

- Replicated Linktree to establish a centralised hub for my side projects.

Technical Skills

Languages: Python, Java, C#, JavaScript/HTML/CSS, Kotlin, SQL

Frameworks/Libraries: React, Flask, Selenium, PyTest, Jest

Tools: Nodejs, Vite, Webpack, Git, GitHub Actions, AWS, Linux, Wireshark, Postman, Swagger, Jira, Jenkins

Additional Learning

The Odin Project, Automate the Boring Stuff with Python