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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 '19 - May '22

Graduate Software Engineer

Development:

- Worked as a part of a team to develop a REST API using Swagger UI and Python Flask.
- Designed and implemented user-friendly front-end elements using React and Node.js.
- Managed data on CouchDB for effective storage and retrieval.
- Proactively addressed production bugs and applied effective solutions.

Testing:

- Coordinated internal regression testing using Python and Selenium.
- Executed over 500 test cases, generating regular reports to ensure comprehensive test coverage.
- Established CI/CD processes using Jenkins for automated software delivery, enhancing development efficiency.

Scrum:

- Incorporated agile practices to enhance collaboration and productivity in a large team.
- Coordinated effectively with internal teams and stakeholders to ensure seamless requirement fulfilment.
- Planned, tracked, and managed deliverables across short-term sprints.

PROJECTS

Securify

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

- Utilized PyTest and Selenium for automated browser testing.
- Introduced a CI/CD Pipeline using Github Actions/AWS Amplify for seamless regression testing and deployment.
- Ensured mobile device compatibility through the implementation of media queries.

OpenWeatherMap

<https://nafanj.github.io/weather-application/>

- Designed and created a user interface for OpenWeatherMap API.
- Applied seamless animations using Keyframes.

Linktree

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

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

Technical Skills

- Languages: Java, Python, C#, HTML/CSS/JavaScript, Kotlin, SQL
- Frameworks: React, Node.js, Flask, Swagger, Selenium, Webpack, Jest
- Tools: Git, Github Actions, Linux, AWS, Wireshark, Postman, Jira, Jenkins

Additional Learning

The Odin Project, AWS Cloud Practitioner (CLF-C02)