

Daniel Onekpe

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Education

Maynooth University

BSc Computer Science and Software Engineering

Sep 2017 – Jul 2022

Maynooth, KE

Experience

Ericsson

Software Engineer

Sep 2022 - Present

Athlone, WH

- > Led Kubernetes cluster migration, improving cloud infrastructure resilience and scalability, ensuring high availability
- > Developed and maintained microservices and cloud-based solutions, utilizing distributed systems to optimize product performance
- > Designed and built a Backstage plugin for CI/CD pipeline execution, enhancing developer experience and visibility in software deployment
- > Created an API-driven App Management Tool in Python, streamlining application onboarding, termination, and deployment processes
- > Contributed to a Java Spring Boot microservice chassis, enabling consistent architecture across multiple product areas
- > Automated security compliance through automated VA scanning in CI/CD pipelines, improving application security
- > Converted legacy shell scripts to Python, improving team efficiency in automation and deployment processes

Oracle

Software Engineering Intern

Jun 2020 - Jul 2021

Dublin, IE

- > Trained natural language translation models using TensorFlow, optimizing machine learning workflows for product development
- > Created Python scripts and Dockerfiles for data preprocessing, model training, and deployment
- > Developed documentation to improve team knowledge sharing, fostering a collaborative environment for onboarding new engineers

Projects

App Manager Pipeline Client

- > Enhanced an internal Python tool, App Manager, used in CI/CD pipelines for rApp CSAR (Cloud Service Archive) management. Integrated automation enablement services (Helm registry, image registry) via the App Onboarding API to optimize rApp deployment.

QR Code Access Control for MULE

- > Developed a QR code login system for Maynooth University Learning Environment (MULE), improving security and user access. Implemented using OS.js and deployed on Heroku, with an emphasis on CI/CD best practices and integration.

Skills

Technologies Node.js, MongoDB, Express.js, React.js, AngularJS, Spring Boot, Django, Docker, Kubernetes, Helm, Jenkins, Spinnaker

Languages Python, JavaScript, Java, SQL, Bash

Methodologies Agile Development, Continuous Integration/Continuous Deployment (CI/CD), Microservices Architecture, Distributed Systems, Monitoring Alerting, Disaster Recovery, Cloud Computing, Scalable Web Solutions, System Design, Data Structures Algorithms, Unit Testing, Code Reviews