Jack Doherty

Software Engineer at <u>Ericsson</u>

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👨‍💻 About Me

I'm a software engineer currently working at Ericsson with a knack for problem solving through programming. I love the processes of planning, design and implementation that goes into the software development lifecycle. I enjoy building solutions to solve problems, help me in my daily tasks or just to have fun and learn new technologies.

👨‍💻 Experience

Software Engineer

Ericsson, Athlone

Nov 2021 - Present

Responsibilities

- Develop PRA FastFeedback pipeline (Jenkins, Ansible, Python)
  - Automate the testing of new PRA CCD releases
  - Reducing testing and verification time from 3 days to 5 hours resulting in my being awarded a Mela Challenger award.
- Develop ChecklistPreUpgrade pipeline (Jenkins, Ansible, Python)
  - Automate pre CCD upgrade checks
  - Reducing upgrade lifecycle downtime by 1 day resulting in me being nominated by my team for and awarded an R&R award.
- Develop Orderable Item metrics tool (Python, React)
  - Allow easy querying, creation and tabled display of Orderable Item metrics.
  - Metrics can then be used in orderable item review meetings resulting in reviews being more efficient going from 1 per week ~2 hours to 1 per sprint ~ 30 minutes
- Automate Jira support ticket creation from Prometheus alerts(Ansible, Jenkins, Python)
  - Reduce downtime of cluster instances for customers.
- Handle upgrade and verification of production and development Monitoring infrastructure (Prometheus/Grafana/Alert Manager)
- Manage and maintain ~190 Kubernetes instances on OpenStack Clouds
- Develop internal tool to automate assessment of Cloud Native Maturity (Spring, React)

Junior Software Developer

Aryza/Vision Blue Solutions, Dublin

May 2020 - Sept 2020

Responsibilities

- Develop document management system to allow UI creation, search, update, archiving, grouping of customer records (ASP.net, React)
- Design and implement an improved UI/UX of document management system to align better with more complex relational documents.

- Implement versioning of documents with Users associated with edits to allow for tracking of changes and version rollback

Python Tutor

Dublin City University, Dublin

Sept 2018 - May 2019

Responsibilities

- Provided tutorial services for students in computer programming and Python
- Pair program with students to assist them with solutions during labs
- Supervise python lab exams.
- Evaluated and documented student progress, recommending methods to improve tutoring.

🎓 Education

Bachelor of Science (B.S.) Computer Applications and Software Engineering

Dublin City University, Dublin

Sep 2017 - May 2021

- Relevant Coursework Completed across a broad spectrum of computing including programming, database management, machine-learning, algorithms, data-structures etc.

Exchange semester

Johannes Kepler University, Linz

Sep 2019 - Feb 2020

- Coursework in data structures and algorithms, machine learning techniques (supervised and unsupervised) and AI

🛠️ Skills

- Typescript
- Jest/Cypress
- Playwright
- Flask
- React
- K8s
- Docker
- Postgres
- HTML/CSS
- Python
- Nextjs
- Reddis
- Grafana
- Prometheus
- Jenkins
- Ansible
- Express/Trpc
- TDD
- CI/CD
- Git/Gerrit
- Git Flow
- Code Review
- Jira Suite
- Agile methods/Scrum
- Automated testing

📝 Certifications

Kubernetes & Helm admin course completion

Component Safe