

Eamonn Mansour

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Education

King's College London

BSc Computer Science with a Year in Industry, First Class Honours

Sep 2018 — Jun 2022

London, UK

Experience

IBM

Software Engineer

Sep 2022 — Present

Hursley, UK

- Actively contributed to Galasa, an open-source integration testing framework for z/OS and hybrid cloud applications, successfully supporting its acceptance into the Open Mainframe Project
- Remediated over 30 vulnerabilities in several open-source codebases
- Implemented authentication into Galasa's ecosystem using Dex to enhance its security capabilities
- Resolved defects in Galasa's Gradle plugins, improving Gradle support for a wide range of users
- Simplified the Helm installation process of a Galasa ecosystem, reducing time to deployment by 70%
- Enhanced CI/CD pipelines to support branch-level builds for developers to test changes safely
- Guided users through setting up and using Galasa locally and in automation processes
- Automated the generation and publishing of REST API documentation using OpenAPI specifications

IBM

Software Engineer Intern

Jul 2020 — Aug 2021

Hursley, UK

- Developed internal tools for a department of over 100 members of staff to scan acquired software for licensing information, which removed several manual steps in the software clearance processes
- Implemented two internal support channels that enhanced communication between users and developers, promoting knowledge sharing between the development team's members
- Completed time-critical Nginx maintenance for senior management to serve a new department website
- Mentored 4 new starters and worked alongside a team lead to review GitHub pull requests
- Created GitHub issue templates to standardise the issue creation process for the team and users

Leonardo

Software Engineer Intern

Jun 2017 — Aug 2017

Luton, UK

- Developed a Unity prototype focused on electronic warfare awareness featuring procedural generation
- Created prototypes for Python and Raspberry Pi camera integration projects to support internal research

Projects

Galasa - <https://galasa.dev> - Java, Go, Kubernetes, Tekton

Open-source integration testing framework for z/OS and hybrid cloud applications.

Personal Website - <https://github.com/eamansour/eamansour.com> - Next.js, TypeScript

Website created to learn and experiment with modern web frameworks while serving as an online portfolio.

Skills

Languages and Frameworks - Java, Go, C#, C++, Python, Kotlin, Node.js, React, Next.js, TypeScript, JavaScript, Rust, OIDC, gRPC, REST, HTML5, CSS, PHP, SQL

Software and Tools - Gradle, Maven, Git, Docker, Kubernetes, Unix/Linux, IBM Cloud, Tekton, Jenkins, Travis CI, Unity, Blender