

# MARTIN WALSH

## SOFTWARE ENGINEER

### CONTACT

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📍 Ireland

### LINKS

[Github](#)

[LinkedIn](#)

[YouTube](#)

### EDUCATION

#### Software Development

Institute of Technology Carlow

2016-2020

### SKILLS

#### Programming Languages:

Python, Java, TypeScript

#### Frameworks/Libraries:

Node.js, Express.js, React, React Native, Tailwind CSS, Spring, Flask, FastAPI

**Others:** Google Cloud Platform (GCP), Docker, Kubernetes, Terraform, Jenkins, DevOps, Cloud Computing

### WORK EXPERIENCE

#### SQUID | Full Stack Engineer

Dec 2022- Present

- Led full-stack product development, leveraging Typescript, React, Node.js, and GCP.
- Rebuilt the business-facing portal from the ground up, utilising modern technologies to enhance customer experience.
- Developed and integrated multiple APIs, including a dedicated auth API, to streamline data transmission within the app.
- Led DevOps initiatives including setting up Cloud Run instances and orchestrating continuous deployment for multiple environments.

#### CITYSWIFT | Software Engineer

Aug 2021 - Dec 2022

- Led a project that reduced each data ingestion process by over an hour, developing a cloud-hosted API service to carry out data changes.
- Oversaw a project that successfully handles 10M+ weekly requests, creating a FastAPI application with a Cloud Run infrastructure.
- Boosted efficiency by 13% by developing a series of serverless Cloud Functions that automated workflows.

#### ERICSSON | Software Engineer

Sep 2020 - Aug 2021

- Created a cloud-native app for testing 5G nodes.
- Led development of a Java & Spring app to identify OWASP vulnerabilities.
- Enhanced efficiency through software testing, bug fixing, and process documentation.

#### WORKDAY | Software Engineer Intern

Mar 2018 - Aug 2019

- Built an application to automate changes in Cloud monitoring, including auditing, code review, backups, and versioning features.
- Conducted a workshop for senior developers, demonstrating application use.

### PROJECTS

#### Dashboards as Code

- Devised a Python application to streamline cloud platform features by converting YAML configuration to JSON for API consumption, automated with Jenkins.

#### Metadata Service

- Built a Python/FastAPI web application, hosted on a Compute instance, enabling CRUD operations on a NoSQL Database. Implemented CI/CD with Docker and Cloud Run.

#### Find My Pet

- Developed a React-based cross-platform mobile application with location awareness and push notifications. Back-end built with Firebase, including authentication, database, storage, and serverless functions.