

Conor Gallagher

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EDUCATION

KTH Royal Institute of Technology **Stockholm, Sweden**
MSc Software Engineering of Distributed Systems *09/2025-present*

- Focus on distributed systems and data-intensive computing

Queen's University Kingston **Ontario, Canada**
Exchange Student *09/2024-05/2025*

- GPA: 4.3/4.3
- Undergraduate research assistant, Reliable and Intelligent Software Engineering (RISE) Lab.
- Thesis: "Exploring the Challenges of Device Integration within the Smart Home Ecosystem: A Case Study on Home Assistant"

Queen's University Belfast **Belfast, United Kingdom**
BSc (Hons) in Computer Science incl Professional Experience *09/2021-05/2025*

- Grade: First Class Honours (97%)- ranked top of cohort.
- Recipient of multiple sponsored awards for exceptional academic performance from companies including Kainos, Liberty Mutual and Civica.

WORK EXPERIENCE

KTH Innovation **Stockholm, Sweden**
Student Worker *09/2025-06/2026*

- Organising podcasts, events, and talks** at KTH Innovation to spark meaningful conversations in AI, digital deeptech, and entrepreneurship.

Skyscanner **Edinburgh, United Kingdom**
Intern Software Engineer *06/2025-08/2025*

Working within Developer Enablement to support an **engineering team of 800+ members**:

- Led migration** from an internal Dependabot fork to native Dependabot by developing a Python Lambda-based GitHub App with searchable bump hashes, **cutting reversion times** and improving dependency management reliability
- Enabled cultural adoption of InnerSource** by building and deploying a Probot-based GitHub App on AWS that surfaced contribution metrics across teams
- Scaled an internal gRPC API index from proof-of-concept into a feature-rich documentation platform, **boosting API discoverability** with features including real-time usage statistics from NewRelic and templated *grpcurl* requests

Catalyst Tech Hub **Belfast, United Kingdom**
Generation Innovation Coach *07/2024*

- Coached groups of 8-10 high-school students through **design-thinking processes** to develop projects that aligned with their partner company's problem statements, in a programme run by Catalyst, a startup accelerator
- Further reinforced key understanding of how to tailor product to the user and communicate with stakeholders

Instil Software **Belfast, United Kingdom**
Intern Software Engineer *09/2023-07/2024*

Contracted by a leading US autonomous robotics manufacturer to build the warehouse-management application that powered their robotics platform:

- Delivered a **modern Vue 3 + TypeScript UI** with robust state management (Pinia)
- Enhanced backend functionality in Kotlin Ktor and optimized CI/CD pipelines with TeamCity, improving deployment efficiency.
- Successfully completed a **large-scale migration** of a legacy codebase from JavaScript + Vue 2 to TypeScript + Vue 3, **greatly accelerating delivery** of new features

SKILLS & CERTIFICATIONS

Languages: English (Native), Spanish (Proficient)

Tools:

- *Programming/Scripting Languages*- Java, Python, TypeScript
- *Frameworks/Libraries*- Frontend: React, Vue, Puppeteer (E2E Testing); Backend: Express, Spring Boot
- *Data Processing*- Spark, Kafka
- *DevOps/Cloud*- Git, NewRelic, Docker, AWS