

I am a reliability-focused Infrastructure Engineer specializing in orchestrating stateful distributed systems and self-service platforms. Expert in deploying cloud native applications, with a proven track record of reducing developer cognitive load and guaranteeing transactional integrity in high-throughput environments.

Experience

Senior Associate Software Engineer **Workday** Dublin, Ireland **Nov 2025–Present**

- Migrated ownership of regional clusters to their respective regional admin environments.
- Implemented a Temporal eventing system to trigger workflows via the GitHub checks API, allowing the enablement of end to end continuous delivery across Kubernetes clusters.
- Adopted an approach of continuous upgrades, by enabling EKS auto mode in dev and test environments, with plans to move to customer environments.

Associate Software Engineer **Workday** Dublin, Ireland **2024–2025**

- Developed a Go-based framework for Tekton tasks, standardizing CI/CD infrastructure and increasing engineering velocity for internal platform teams.
- Migrated multiple clusters to most recent Kubernetes version, upgrading all dependant software components (Kubernetes control plane, Istio, Argo CD), and incurring zero downtime across all tiers.
- Part of disaster recovery team in AWS AZ outage, restoring Workday functionality to thousands of customers.

Intern Software Engineer **Workday** Dublin, Ireland **2023**

- Created an image discovery mechanism to ensure container images across all environments were compliant with federal audit requirements.
- Automated the clean-up of untracked EBS volumes across hundreds of Kubernetes clusters, leading to large cost savings.

Treasurer, Technical Events Lead **TU Dublin's Computer Science Society** **2022–2024**

- Managed society finances, providing funding for multiple events per year.
- Organised talks with industry leading speakers.
- Gave lessons on Python programming, Git, and exam preparation to hundreds of students.

Education and Certifications

- **B.Sc. Computer Science**, Technological University, Dublin. **2020–2024**
- **Certified Kubernetes Administrator**, The Linux foundation. **2023**

Technologies and Languages

- Languages: Rust, Go, Java, Python, TypeScript, C
- Technologies: Kubernetes, Temporal, Linux, AWS, GCP, Terraform, Next.js, Git, Sapling
- Other: System Design, Cloud Architecture, GitOps, Technical Writing, Communication

Projects

Bramble **Thesis Project** **2024**

A Kubernetes native automation server, allowing engineers to design and implement pipelines as Kubernetes manifests.

- Implemented an operator to manage the definition and execution of pipelines using the Kubernetes jobs API.
- Built a full-stack observability dashboard (React/Node.js) to monitor live pipeline execution and integrated GitHub webhooks for automated triggers.