Ciara Kelly

Dublin, Ireland

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Education

University College Dublin (UCD)

MEngSc Electronic & Computer Engineering

Sep 2015 – Aug 2017 | Dublin, Ireland

National University of Ireland, Galway

BEng (Hons) Electronic & Computer Engineering

Sep 2011 – May 2015 | Galway, Ireland

Work Experience

Site Reliability Engineer (SRE) | Google | Sep 2019 - Present | Dublin, Ireland

- Ensured reliability, scalability, and performance of large-scale distributed systems serving Google products.
- Developed automation tools using Python and Go to reduce operational toil and improve system manageability.
- Defined and monitored Service Level Indicators (SLIs) and Service Level Objectives (SLOs).
- Managed infrastructure using Infrastructure as Code (primarily Borgcfg/internal tools, some Terraform exposure).
- Led incident response efforts, conducted post-mortems, and implemented preventative measures.
- Operated Kubernetes (Borg) clusters at scale.

Software Engineer | Ericsson | Oct 2017 - Aug 2019 | Athlone, Ireland

- Developed software for telecommunications systems.
- Gained experience with Linux and C++.

Skills

Programming: Python, Go, C++, Bash, Java (Basic)

Infrastructure & Automation: Kubernetes (Borg), Docker, Terraform (Intermediate), Ansible (Basic), CI/CD (Jenkins, internal tools)

Monitoring & Observability: Prometheus, Grafana, Monarch (internal), Distributed Tracing, Logging (ELK Stack basics)

Cloud Platforms: Google Cloud Platform (GCP), AWS (Basic)

Operating Systems: Linux (Advanced)

Networking: TCP/IP, DNS, HTTP, Load Balancing

Concepts: SRE Principles (SLIs/SLOs/Error Budgets), Incident Management, Post-mortems, Chaos Engineering (Basic), Distributed Systems, Scalability, High Availability

Methodologies: Infrastructure as Code (IaC), Automation, GitOps (Basic)

Certificates

Google Cloud Certified - Professional Cloud Architect

Certified Kubernetes Administrator (CKA)

Awards

Google SRE Peer Bonus Award (Multiple)