

Ethan Kapoor

JUNIOR DEVOPS ENGINEER



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Computer Science graduate from the University of Reading with a focus on cloud infrastructure, automation, and CI/CD pipelines. Completed a **12 week internship** at a SaaS company where I automated deployment workflows that reduced release times by **45%**. Built and maintained personal Kubernetes clusters and contributed to **2 open source infrastructure projects**. AWS Certified Cloud Practitioner with a passion for reliable, scalable systems.

EXPERIENCE

DevOps Intern, Vonage, Reading

Jun 2025 – Aug 2025

Joined the platform engineering team for a 12 week summer internship working on CI/CD automation and infrastructure monitoring.

- Automated **4 deployment pipelines** using GitHub Actions and Terraform, reducing average release time from **40 minutes to 22 minutes**
- Wrote **15 Terraform modules** for provisioning AWS resources including EC2, RDS, and S3 across staging and production
- Built a Grafana monitoring dashboard tracking **12 key metrics** across 3 microservices, reducing incident detection time by **30%**
- Resolved **8 infrastructure tickets** from the backlog including a DNS misconfiguration affecting **500+ internal users**

IT Help Desk Assistant, University of Reading, Reading

Jan 2024 – May 2025

Part-time first-line IT support role for students and staff across campus.

- Resolved an average of **30 tickets per week** covering network connectivity, VPN, and software installation issues
- Created **5 self-service guides** that reduced repeat tickets for common issues by **25%**

EDUCATION

BSc (Hons) Computer Science in Computer Science, University of Reading, Reading

Sep 2022 – Jul 2025

Graduated with First Class Honours (**76% average**). Dissertation on automated infrastructure testing using Terratest, graded **80%**.

- Relevant modules: Operating Systems, Computer Networks, Cloud Computing, Software Engineering, Cyber Security
- Dean's List for academic excellence in **all 3 years**

SKILLS

AWS (EC2, S3, RDS, Lambda) • Terraform • Docker • Kubernetes • GitHub Actions • Jenkins • Linux (Ubuntu, CentOS) • Python • Bash Scripting • Grafana / Prometheus • Networking (TCP/IP, DNS) • Git

CERTIFICATIONS

AWS Certified Cloud Practitioner, Amazon Web Services

Apr 2025 – Apr 2025

HashiCorp Certified: Terraform Associate, HashiCorp

Jul 2025 – Jul 2025

LANGUAGES

English - Native • Punjabi - Conversational

PROJECTS

Personal Kubernetes Home Lab

Sep 2024 – Jun 2025

Built and maintained a 3 node Kubernetes cluster on Raspberry Pi devices for learning and experimentation.

- Deployed **8 services** including a monitoring stack (Prometheus/Grafana), a personal website, and a CI runner
- Wrote **12 Helm charts** and maintained GitOps workflows using ArgoCD
- Documented the setup in a blog series that attracted **4,500 views** on dev.to

Open Source Contributor: Localstack

Jan 2025 – Jun 2025

Contributed to Localstack, an open source tool for local AWS development.

- Submitted **4 merged pull requests** improving S3 and Lambda emulation accuracy
- Fixed a bug in the SQS mock that affected **200+ users** based on the GitHub issue thread

REFERENCES

Dr. James Sheridan

Senior Lecturer in Computer Science, University of Reading

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EXTRA CURRICULAR ACTIVITY

President - Reading University Computing Society

Sep 2024 – Jun 2025

Led the university's computing society, organising events and workshops.

- Ran **10 workshops** covering Docker, Git, and cloud basics, with average attendance of **30 students**
- Organised a **24 hour hackathon** with **65 participants** and sponsorship from **3 local tech companies**