# Karthik Subramanian

DevOps Engineer

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## profile

DevOps engineer with 5 years of experience automating builds, infrastructure and monitoring on AWS and Kubernetes. Cut deployment time from 50 minutes to 8 and improved uptime to 99.95% for a fintech platform. Experienced with Terraform, Jenkins, GitHub Actions and on-call incident response, and comfortable teaching developers safer release habits.

## experience

**DevOps Engineer**, Kestrel Software Pvt Ltd — Feb 2022 – Present
Bengaluru, India

- Moved 24 services to Kubernetes on AWS EKS with Helm charts and zero planned downtime.
- Built GitHub Actions pipelines that cut average deployment time from 50 minutes to 8 minutes.
- Wrote Terraform modules for networking and databases, reducing environment setup from three days to two hours.
- Set up Prometheus and Grafana alerts that lowered mean time to detect incidents by 45%.
- Trimmed monthly cloud spend by 18% through rightsizing instances and scheduled shutdowns.

**Systems Engineer**, Orchid Hosting Services — Jun 2019 – Jan 2022
Chennai, India

- Managed 120 Linux servers with Ansible, patching them on a monthly cycle with no failed rollouts.
- Created Jenkins jobs for build, test and release that replaced manual copying of files.
- Joined a 24x7 on-call rotation and wrote runbooks that cut repeat incidents by a third.

## skills

AWS | Kubernetes | Docker | Terraform | Ansible | Jenkins | GitHub Actions | Linux | Prometheus | Grafana | Python | Bash

## projects

**Self-service preview environments**, Terraform, Helm, GitHub Actions
github.com/karthiksub-example/previews

- Let developers spin up a full test environment per pull request in under 6 minutes, cleaned up automatically after merge.

## education

**B.E., Electronics and Communication**, PSG College of Technology — 2015 – 2019
Coimbatore, India | 8.0 CGPA

## certifications

**AWS Certified DevOps Engineer Professional**, Amazon Web Services — Mar 2023

**Certified Kubernetes Administrator (CKA)**, CNCF — Aug 2022