Karthik Subramanian

Senior Software Engineer, Platform

karthik.s@example.com | +91 98400 90123 | Chennai, Tamil Nadu | linkedin.com/in/karthiks | github.com/karthiks

PROFESSIONAL SUMMARY

Senior software engineer with 10 years in distributed systems and developer platforms. Led the move of a 300-service platform to Kubernetes and cut deploy time from 45 minutes to 6. Looking for a staff or principal engineer role.

WORK EXPERIENCE

Senior Software Engineer

Mar 2021 to Present

Zentrix Cloud, Chennai

- Led the platform team's move of 300 services to Kubernetes; deploy time fell from 45 to 6 minutes.
- Designed the internal developer portal used by 900 engineers to create, deploy and monitor services.
- Cut cloud spend by 22% (Rs 9 crore a year) with autoscaling and right-sizing.
- Wrote the incident review process now used across engineering; repeat incidents fell by half.
- Interview and mentor engineers; 4 mentees promoted.

Software Engineer II

Jun 2018 to Feb 2021

Freshline SaaS, Chennai

- Built the event pipeline (Kafka, Go) handling 2 billion events a day.
- Owned on-call for billing; brought incidents down from 9 to 2 a month.
- Moved the team from manual releases to CI/CD with GitHub Actions.

Software Engineer

Jul 2015 to May 2018

Infosys, Chennai

- Built Java services for a US bank's payments platform.
- Automated regression tests, cutting the release cycle from 4 weeks to 2.

EDUCATION

B.E., Computer Science

2015

College of Engineering, Guindy, Anna University

CGPA 8.4

PROJECTS

kube-cost-report

Go, open source

CLI that shows Kubernetes cost per team; 1,400 GitHub stars.

github.com/karthiks/kube-cost-report

Conference talks

KubeCon India 2024

"Moving 300 services to Kubernetes without a freeze", a 30-minute talk.

SKILLS

Go · Java · Kubernetes · Terraform · AWS · Kafka · PostgreSQL · gRPC · Observability · System design
CI/CD

CERTIFICATIONS

- Certified Kubernetes Administrator, CNCF, 2022
- AWS Solutions Architect, Professional, Amazon Web Services, 2023

LANGUAGES

English, Tamil, Hindi

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