

MOOLSHANKAR TYAGI

Technical Lead | Devops/SRE Leadership | Cloud & Platform Engineering

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EXPERIENCE

Staff Software Engineer

Walmart Global Tech India

03/2020 Bangalore, KA, India

Walmart's technology branch focused on development and innovation

- Built a multi-layer Access Control Engine improving security compliance across apps, services, databases, and networks.
- Designed a certificate lifecycle platform, automating renewals and reducing SSL incidents by 40%.
- Created a RAG agent system enabling remote triage and remediation eliminating human dependency by 90%.
- Improved incident response by 60% through alerting optimization and automation.
- Reduced cloud costs by \$1.8M per quarter through architecture analysis and cross-team optimization initiatives.
- Reduced system latency by 30% via deep performance tuning and APM-driven improvements.
- Led a 14-member team across backend, front-end, SRE, DevOps, ML, and security; delivered high-impact organization-wide platforms.
- Mentored more than 20 engineers, boosting team capability and reducing senior hiring costs.

Programmer Analyst - Java

Boeing India

02/2019 - 03/2020 Bangalore, KA, India

An aerospace company that provides products and services to customers worldwide

- Enhanced client-server communication interoperability with a GraphQL backend using NodeJS
- Developed and maintained CI/CD pipelines in GitLab, accelerating deployment processes
- Contributed to migrating Windows applications to cloud-based web applications
- Delivered high-impact frontend and backend solutions as a full-stack developer

Application Developer

Bankbazaar.com

01/2017 - 03/2019 Bangalore, KA, India

An online marketplace for financial products in India

- Developed UI for HashiCorp Vault secret management with Infra & Security teams.
- Built LXC 3.0 orchestration tool for production containers, enhancing SRE efficiency.
- Created security scanning framework for infrastructure assets, improving vulnerability visibility.
- Led OSS tooling R&D (Vault, ELK, LXC), reducing paid-tool costs.
- Managed the end-to-end call center infrastructure including gateways, call servers, and operational tooling.

Senior Systems Engineer

Infosys Limited

02/2014 - 12/2016 Bangalore, KA, India

A multinational corporation providing IT services and consulting

- Estimated requirements and maintained Java applications in the insurance domain
- Developed and implemented features using TDD to maintain high code quality
- Handled client communications effectively ensuring satisfaction throughout project lifecycle

SUMMARY

Senior engineering leader with 12+ years of experience driving platform engineering, SRE, DevOps, and backend development initiatives at scale. Led cross-functional teams across US & India (8-14 engineers), architected enterprise platforms, improved cloud reliability, built AI-powered operational automation, and delivered multi-million-dollar cost savings. Highly skilled at solving complex distributed systems challenges, building secure and scalable platforms, and elevating team performance through mentorship and strategic execution.

SKILLS

Group Title

Java	Node.js	Python	JavaScript	
React	Linux	Shell Scripting		
System Design	Microservices			
Kubernetes	Docker	Kafka	SQL	
NoSQL	AWS	CICD	GenAI	LLM
Terraform	Ansible	IAC	DevOps	
MLOps				

EDUCATION

B.Tech (Electrical and Electronics Engineering)

UTTAR PRADESH TECHNICAL UNIVERSITY

08/2009 - 05/2013

Senior Secondary School

CBSE

06/2008 - 06/2008

High School

CBSE

06/2006 - 06/2006