

Parag Khuman

Phone: +91-8419980735 • E-mail: work.paragkhuman@gmail.com

[Linkedin](#)

EDUCATION

Lovely Professional University, India • Doctor of Philosophy (Ph.D), <i>Computer Science & Engineering</i> ; CGPA: 9.29 / 10 (First Year)	Aug' 2025 - Ongoing
Chandigarh University, India • Masters of Science (M.S.), <i>Data Science</i> ; CGPA: 8.14 / 10	Jun' 2023 - Dec' 2025
Mumbai University, India • Post Graduate Diploma in Financial Management (PGDFM); <i>Percentile: 87%</i>	Jul' 2020 - Jun' 2021
Mumbai University, India • Bachelor of Engineering (B.E.), <i>Computer Engineering</i> ; CGPA: 8.89 / 10	Aug' 2016 - Oct' 2020

SKILLS

Tools: GitOps, Terraform, Ansible, Prometheus, Grafana, Kubernetes, Docker, Loki, Promtail, ELK Stack, ArgoCD, Helm, Github Actions, Sonarqube, Trivy, DevSecOps, CI/CD, AWS AppSync, Tailscale, API Gateway, Cloudwatch and On-Prem Infrastructure.

Skills: DevSecOps, CI/CD, SRE, Platform Engineering, Scripting

Cloud: AWS, Azure

Programming: Python, Typescript

Databases: MySQL, PostgreSQL

Certifications: CCNA, MTA Python, AWS Solutions Architect Associate, DevOps Engineer Professional Course

EXPERIENCE

Senior DevOps Engineer, Fospha, Mumbai <ul style="list-style-type: none">Led a team of 3 Platform and Support EngineersAutomated CloudSecOps remediations and got our ISO 27001 Certification.Developed Database cloning and data processing pipeline and automated 80% of manual efforts using Step Functions, Aurora Postgres, Fivetran, DynamoDB, SNS, SES, Slack SDK and DBT Modelling.Implemented Fospha MCP Server and observability using self hosted Langfuse for LLMops.Rewritten and migrated 70+ repos from Bitbucket Pipelines to Github Actions.Automated Sonarqube recommendation remediation using ECS, EventBridge, Bedrock Foundational Models, Sonarcloud APIs with CI/CD Pipelines.Implemented complete Terraform setup managing VPC, routing, Aurora Postgres, ALB, Langfuse, Tailscale VPN for datagrip and private subnet connectivity, etc.Implemented WAF principles, Guardduty monitoring, AWS Inspector, and Security Hub.Telemetry Logs monitoring and alerting using Grafana and infinity plugins to track sonarqube compliance.Tailscale VPN implementation to connect various private subnet resources and dev tools.	Nov'2024 - Present
Software Development Engineer, Amazon Music, Bengaluru <ul style="list-style-type: none">Worked with Geolocation and Searches TeamEnhanced the Elasticsearch backend for querying indexed records based on geo-location and genre indexes.Migrated to OpenSearch, side car logging and managed stress testing of searching microservices.Led the NetScaler to L4 Load Balancer migration for 14+ Microservices.Designed a ticket triaging and routing system for SysDev Teams reducing ticket resolution time by 35%.	Apr'2024 - Nov' 2024
Data Center Automation Engineer, Amazon AWS, Mumbai <ul style="list-style-type: none">Implemented Throughput dashboards that tracked daily ticket resolution by data center techs and was globally adopted by TNT teams.Ticket triaging and re-routing mechanism for resolving recurring issues on bare metal servers reducing 45% tickets before reaching techs.Build python scripts for getting system insights and deployed using Ansible like internal platforms.Built Procurement Management System for FinOps Team and led physical deployment of Cloudfront Edge Network in Chennai and Hyderabad.Led Operational Excellence team that drives improvement projects in data center operations in ap-south-1c regions.	Jun'2020 - Apr'2024

ACHIEVEMENTS

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- Winner of the AWS Operational Excellence Awards at Amazon Web Services, Jun'23 and Feb'24
 - Taekwondo Gold Medalist , Mumbai Suburban District