

AMOGH JAGADISH TAMBAD

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EDUCATION

Master of Science, Computer Science Arizona State University, Tempe, AZ Coursework: Cloud Computing, Data Processing at Scale, Data Mining, Software Security	May 2025 4.00 GPA
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Bachelor of Technology, Computer Science REVA University, Bangalore, India Coursework: Data Structure and Algorithms, Operating Systems, Cloud Computing, Computer Networks	May 2021 3.77 GPA
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PROFESSIONAL EXPERIENCE

Software Engineer DriverAI LLC , Remote	Dec 2025 - Present
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- Driving migration from **RDS MySQL** to Amazon **Aurora PostgreSQL**, building **Terraform** automation pipelines to replicate production infrastructure and enable consistent, repeatable deployment across environments
- Engineered **GitHub Actions CI/CD** pipelines automating **Docker** image builds and deployments to **AWS ECR**, reducing deployment time by **30%**

Site Reliability Engineer (SRE) Intern	Jun 2024 - Aug 2024
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Arch Mortgage Insurance , Greensboro, NC	
• Architected log filtering and routing pipelines using Cribi Stream for OpenShift Kubernetes clusters, reducing Splunk ingestion by 40-50 GB/day (\$46K annual savings) and improving search performance by 20%	Jun 2024 - Aug 2024
• Automated container image synchronization between Red Hat Registry and Nexus Repository using Ansible and REST APIs, eliminating 90% of manual update overhead and ensuring consistent artifact versions across environments	

DevOps Engineer	May 2021 - Jul 2023
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Cerner Healthcare (Oracle Health) , Bangalore, India	
• Led migration of 500TB+ enterprise healthcare data from on-prem infrastructure to AWS using Python and Bash scripts and AWS S3 , reducing storage costs by 30% while maintaining HIPAA compliance	May 2021 - Jul 2023
• Participated in 24/7 on-call rotations, triaging P1/P2 incidents and performing root cause analysis , reducing mean time to resolution (MTTR) by 35% through improved runbooks and automated diagnostics	
• Troubleshoot Jenkins pipeline issues through root cause analysis, minimizing support ticket resolution time by 40% and ensuring 99.9% uptime for CI/CD workflows, leading to uninterrupted deployment pipelines	
• Managed 300+ bi-weekly microservice deployments, using Chef , while also tracking them with JIRA , accelerating delivery of new UI and backend features in a fast-paced production environment	

ACADEMIC PROJECTS

End-to-end Deployment Automation AWS, GitHub Actions, Jenkins, Ansible, Bash GitHub	Apr 2025
• Reduced deployment time by 90% by building a fully automated CI/CD pipeline integrating Terraform (infrastructure provisioning), Ansible (configuration management), and Jenkins/GitHub Actions	
• Implemented dynamic inventory management, automated SSH key rotation, and IAM role-based access for secure, zero-touch deployments to AWS EC2 instances	

AWS-based Face Recognition App Python, AWS GitHub	May 2024
• Developed and deployed a Flask -based image recognition app using Gunicorn on AWS EC2, enabling HTTP REST API based uploads and forwarding images to S3 via SQS for asynchronous processing using AWS service API.	
• Designed an auto-scaling app tier that scaled up to 20 EC2 instances based on SQS queue depth, ensuring efficient, real-time image processing under varying workloads	

SKILLS

Languages & Scripting: Python, Go, Bash, Java, SQL

Cloud & Containers: AWS (EC2, Lambda, S3, ECS, EKS), Docker, Kubernetes, Helm

Infrastructure as Code: Terraform, Ansible, Chef, CloudFormation

CI/CD: Jenkins, GitHub Actions, ArgoCD

Observability: Splunk, Zabbix, Prometheus, Datadog, Grafana

Databases: PostgreSQL, MySQL, MongoDB, Neo4j

Core Competency: Distributed Systems, Microservices, Incident Management, System Design, Agile/Scrum