

OMPRAKASH ATHILKAR

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| Nasik

5+ years experienced focused, organized DevOps-AWS professional with finer agility, adaptability, cognitive & leadership skills; having zeal for knowledge, will for skills & ambition for growth.

PROFESSIONAL HIGHLIGHTS

- Spearheaded **Platform Engineering** initiatives with implementation of **GitOps principles**
 - Automated 90% of infrastructure provisioning, Infrastructure deployment time down to 15 minutes
 - Reduced app deployment failure by 45% & time by 5x to 9 minutes; increased deployment freq by 6x
- Lead **DevSecOps** initiatives with Execution of **Continuous Integration, Improvement principles**
 - Lowered SDLC time by 65%, Production vulnerabilities down by 80%, 100% compliance SOC2 standards
- Implemented **Governance, Cloud Management** with **FinOps & right sizing principles**
 - Annual cloud infrastructure spends Slashed by 22%, 15% organic reduction in wasteful infrastructure
- Driven **Cloud Native Solution Architecture** with **High Availability, Scalability, Disaster Recovery**
 - EKS cluster utilization up by 40% maintaining 99.9% availability; Cloud storage overhead slashed by 45%

PROFESSIONAL EXPERIENCE

Probitech Solution, Pune | **Senior DevOps Engineer** | **OCTOBER 2018 – FEBRUARY 2024**

PROJECT | **Barclays** | **Role & Responsibilities** | **OCTOBER 2019 – FEBRUARY 2024**

- Worked on **Jenkins** installation, configuration & **Master-Slave, docker agent configuration** setup to create end to end CI/CD pipeline for **development & critical production environment**
- Managed **Jenkins system, tools, Plug-In, nodes, Security, Credentials, User configuration**
- Installed, Configured & maintained versions of build tool **Maven** & repository manager Sonatype **Nexus**
- Provisioned **AWS resources** as VPC, instances, S3 buckets, EKS for CI/CD & environments using **Terraform**
- Built App **docker images**, ran **containers** with **volume & port mapping**; Stored images to **AWS ECR, Nexus**
- Managed **K8s objects** as **Deployment, Stateful set, services, Ingress etc** via reviewed **YAML manifest files**
- Utilized **ArgoCD** for application deployment on specific target environment dev, prod on **AWS EKS Cluster**
- Installed Applications on **AWS EKS** cluster using **Operators, Helm 3** charts & helm repository, releases
- Utilized **Ansible** for configuration management of **hundreds prod servers**; Written playbooks & used **modules (yum, service, user, copy, setup)** for web servers & to deploy applications
- Stored objects to **S3 Buckets** and Created IAM role with S3 full access, attached to EC2 to access data, worked with **S3 Lifecycle Management**, transition, expiration actions
- Utilized **Amazon Route53 & Geographic & latency-based policies** to route traffic to applications resources
- Configured Auto Scaling Group as Dynamic **ASG** option, created Target tracking policy & Launch Configuration
- Done **Right Sizing solutions** to reduce TCO using performance data, usage need, terminate idle resources
- Ensured environments & apps are secure, **optimized for cost, availability & performance** with **AWS Trusted Advisor** & monitored using **AWS CloudWatch, New Relic**

PROJECT | **AT&T** | **Role & Responsibilities** | **OCTOBER 2018 – OCTOBER 2019**

- Created end to end **Jenkins CI-CD** pipelines on **Windows**; done User & Plugins management for the project
- Installed **Git**, performed **git operations** as clone, git pull, git push, git log. branch commands

- Configured, managed **Tomcat** on Windows ec2 instances across multiple regions; Deployed **webapps** on **Tomcat** using Jenkins pipelines
- Worked on **3-tier architecture** along with **AWS Compute, Storage Amazon VPC**, created **public-private subnets** for application AWS resources in **AZs** across regions, along with **SGs, NACLs, NAT Gateway, IGW**
- **AWS CloudWatch** Monitored EC2 metrics CPU Utilization, Disk Read-Disk write (byte), Disk Read-Disk write (op)

EDUCATION

- **M.E. (Design Engineering)** | 7.37 CGPA | **BITS Pilani** | AUGUST 2012 - JUNE 2014
- **B.E. (Mechanical Engineering)** | 66.33 % | **University of Pune** | JUNE 2007 - JUNE 2011

SKILLS & EXPERTISE | DevOps | AWS |

- **OS** | Linux - CentOS Ubuntu | Windows
- **SCM & SCR** | Git | GitHub
- **Build** | Ant | Maven
- **Monitoring** | CloudWatch | New Relic
- **Scripting** | YAML | HCL
- **AWS Compute** | EC2 | EC2 ASG | EKS
- **AWS Database** | RDS | DynamoDB
- **Networking** | VPC | Route 53 | CloudFront
- **Deployment** | Docker | K8S | ArgoCD | Helm 3
- **CI/CD Pipeline** | Jenkins
- **Infrastructure as Code** | Terraform
- **Configuration Management** | Ansible
- **AWS Network** | VPC | ELB | SG | NACL
- **AWS Storage** | S3 | Glacier | EBS | EFS | ECR
- **Identity & Integration** | IAM | KMS | SNS
- **Cost Management** | Cost Explorer | Cost Reports

CERTIFICATES | Infrastructure - DevOps | Artificial Intelligence | Project Management |

- **Infrastructure-DevOps** | **Oracle Cloud Infrastructure 2025 Certified** Multi-Cloud Architect Professional
 - **Oracle Cloud Infrastructure 2025 Certified** DevOps Professional
 - **Oracle Cloud Infrastructure 2025 Certified** Foundations Associate
 - **AKUITY certified** Continuous Delivery and GitOps using Argo CD
 - **The Linux Foundation** Fundamentals of Quantum Computing (LFQ101)
 - **The Linux Foundation** Introduction to GitOps (LFS169)
 - **FinOps Foundation** Introduction to FOCUS
 - **New Relic verified** Foundation (NVF)
- **Artificial Intelligence** | **Oracle Cloud Infrastructure 2025 Certified** AI Foundations Associate
 - **Udacity by Accenture AI ML Scholar** AWS AI Practitioner Challenge
 - **Kaggle | Google** 5- Day AI Agents Intensive Course
- **Project Management** | **ASANA Certified** ASANA Workflow Specialist
 - **ASANA Certified** ASANA Administrator

ACHIEVEMENTS

- UPSC ESE Mains Qualified In 2017 & 2018 | National level Handball player

AREAS OF INTEREST

- Open-Source, DevOps, MLOps, GitOps, Continuous Improvement, AI, Agentic AI, Serverless

ARTIFICIAL INTELLIGENCE (AI) PROJECTS

- **Building Voice based application based on Live Voice Agents with Google's ADK**
 - real-time voice agents with Google's ADK that produces multi-speaker audio Gemini text-to-speech models
 - built a podcast agent, researches a topic; drafts a conversational script, does real-time conversations
- **MovieForage: Precise Search to Determine concise results for Movies application**
 - created with multi-agent system that includes sequential agents & parallel agents execution
 - Memory Sys with Persistent Databasession using Sqlite Utilizing Context engg. contextcacheconfig