

# Mahesh Shelke

## AWS & DEVOPS ENGINEER

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 Pune

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### PROFILE

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Aspiring AWS Cloud Engineer with strong knowledge of core AWS services (EC2, S3, RDS, Lambda, VPC, IAM, CloudWatch). Hands-on experience gained through academic projects and training in cloud computing, workload migration, and high-availability best practices. A quick learner and collaborative team player, eager to contribute to cloud solutions and grow in a professional environment.

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### PROJECTS

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#### Amazon Price Tracker (Automation)

- Developed a serverless Amazon Price Tracker using AWS Lambda (Python) to automatically monitor product prices.
- Implemented Amazon SNS for real-time SMS alerts when price drops were detected.
- Automated scheduled checks using EventBridge, and stored product details in DynamoDB for high scalability, reliability, and fast querying.

#### Movie Ticket Booking System – AWS 3-Tier Architecture

- Designed and deployed a secure AWS 3-Tier Architecture using VPC, Public/Private Subnets, NAT Gateway, EC2, and RDS MySQL.
- Configured NGINX-based frontend and PHP backend on EC2 with strict Security Groups and fully private network communication.
- Implemented a scalable, production-ready environment with high availability, secure database access, and optimized cloud networking for improved performance.

#### Jenkins Ci-CD Pipeline – Car Web App

- Developed an end-to-end CI/CD pipeline using Jenkins, GitHub, AWS EC2, and PM2, enabling seamless and zero-downtime deployments.
- Deployed and optimized a Node.js-based 3D interactive car visualization application with a scalable, production-ready PM2 cluster setup.
- Managed the complete AWS cloud infrastructure, including EC2 provisioning, security configurations, automation, and continuous deployment workflows.

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### SKILLS

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#### Cloud Technologies

AWS (EC2, S3, IAM, VPC, RDS MySQL, Lambda, SNS, SQS, DynamoDB, CloudFront, Auto Scaling, CloudWatch, AMI)

#### DevOps Tools & Platforms

Git, GitHub, GitLab, Jenkins, CI/CD Pipelines

#### Operating Systems

Linux, Amazon Linux, Ubuntu

#### Networking & Security

VPC, Subnets, Route 53, IAM, Security Groups

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### CERTIFICATIONS AND TRAINING

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#### AWS & DevOps Cloud Course

Fortune Cloud, Pune

Pune

- Fortune Cloud Training Institute, Pune

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### EDUCATION

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#### BCA - Computer Science & Applications

B.P.Sulakhe Commerce College Barshi

09/2022 – 06/2025

Solapur