

# Prashant Mahamuni

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## Profile

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Aspiring Cloud and DevOps Engineer with hands-on AWS experience (EC2, VPC, S3, IAM, RDS, Route 53, LightSail, CloudFront, BeanStalk, Lambda, DynamoDB) and proficiency in automation using Python and Bash. Knowledgeable in cloud networking, Infrastructure as Code (IaC), CI/CD, and security best practices. AWS Certified Cloud Practitioner, eager to build reliable and scalable solutions.

## Technical Skills

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<b>Cloud Technologies:</b>	AWS
<b>Build Tools:</b>	Gradle, Maven
<b>Containers:</b>	Docker, Kubernetes
<b>Scripting:</b>	Shell, Python
<b>Version Control:</b>	Git, GitHub, GitLab
<b>Configuration Mgmt:</b>	Ansible
<b>Infrastructure as Code:</b>	Terraform
<b>CI/CD:</b>	Jenkins

## Projects

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### 3-Tier Web Application Deployment on AWS

- Tech Stack: AWS, VPC, EC2, RDS, PHP, Nginx, Auto Scaling, ALB
- Built VPC with 8 subnets (2 public, 6 private) across 2 AZs.
- Created MySQL RDS and configured DB schema.
- Deployed PHP-FPM app server connected to RDS; created AMI for scaling.
- Configured Nginx web tier with proxy pass to internal ALB.
- Implemented Auto Scaling Groups for web and app tiers using custom AMIs.
- Achieved end-to-end secure, scalable 3-tier architecture.

### Node.js CI/CD Pipeline using Jenkins AWS

- Tech Stack: Jenkins, Node.js, npm, PM2, GitHub, AWS EC2, Linux, SSH
- Designed and implemented a complete CI/CD pipeline for a Node.js application using Jenkins Declarative Pipeline.
- Integrated GitHub Webhooks to trigger automated builds on every code push.
- Configured SSH Agent and secure key-based authentication for deployments to an AWS EC2 Ubuntu server.
- Automated repository cloning, dependency installation, and application deployment using npm and PM2.
- Ensured zero-downtime restarts and reliable production process management with PM2.

## Certifications

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- AWS Certified Cloud Practitioner - AWS 2025
- Master in Cloud Architecture – Fortune Cloud, 2025

## Education

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**MIT World Peace University, Pune**  
Master of Computer Science

Aug 2023 – Jul 2025

**COCSIT College, Latur**  
Bachelor of Computer Science

Jun 2020 – May 2023