

# Mridul Badgurjar

DevOps Engineer

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## Summary

Software Engineer with working experience of around 2.5 years in a service-based company.

- Specializing in development and deployment of full-stack solutions using different technologies.
  - Ensuring proper client-communication to understand the business/problem requirements to ensure quality product delivery within strict deadlines.
  - Highly adaptable and trained to work with multiple technologies for Development, for automating the deployment process via CI/CD Pipelines, and UiPath for RPA.
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## Technical Skills

**Cloud & DevOps:** AWS (VPC, Routes, Subnets, ALB/NLB, EC2, S3, Lambda, CloudWatch, CodeBuild, CodePipeline), Ubuntu, Docker, Kubernetes, Ansible, Terraform, Prometheus, Grafana, Vault , GitHub

**Programming & Scripting:** JavaScript (Node.js, React.js), Python, Bash,C#

**Databases:** Neo4j, MySQL ,SQL Server

**Tools & Technologies:** Git, Postman,RESTful APIs, UiPath,GoPrama

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## Professional Experience

**ThinkcoreTechnologies | Software Engineer | Bangalore, Karnataka | Oct 2022 - March 2025**

- **ACT/SAT/PSAT Mock Test Platform:**
  - Developed a comprehensive RBAC student dashboard facilitating template OMR downloads, secure OMR uploads for automated scoring, and personalized rank/score analysis against difficulty ratings (overall and sectional).
  - Developed and maintained an intuitive admin portal for efficient mock test uploads, precise difficulty rating assignments, and comparative ranking across tests.
  - Authored robust RESTful APIs for seamless data flow between student, admin interfaces and database, ensuring real-time score processing, performance tracking and database changes
  - Contributed significantly to database design (Neo4j) and actively participated in client requirements gathering sessions, translating business needs into technical specifications.

- Automated the real-time updates of student ranks and scores in the database triggered upon mock test OMR submission .
- **Online Health Monitoring System:**
  - Developed and integrated interactive RBAC dashboards for multiple user roles including doctors, patients, hospitals, and administrators, enhancing user experience.
  - Designed and implemented core APIs to manage patient medical queries, treatment assignments , and health progression tracking, supporting a comprehensive online health journey.
  - Collaborated on database and software design discussions, contributing to the architectural integrity.
  - Image/description uploads from patients, enabling doctors to conduct informed remote assessments and determine visit necessity.
- **Vehicle Impound Management System:**
  - Enabled impound officers to log parking violations, add vehicle details, and identify nearest impound lots, significantly streamlining the impound process.
  - Designed modules for administrator management of lot locations and lot manager oversight, enhancing system control and visibility.

## DevOps Projects

- **Full-Stack Application Deployment on AWS with CI/CD, EKS, Serverless, and Monitoring:**
  - Set up secure cloud infrastructure via AWS VPC, EC2, Subnets, ALB, EKS, and ECR with proper IAM roles and policies.
  - Built and deployed Docker images using automated CI/CD pipelines via GitHub, AWS CodeBuild and CodePipeline.
  - Deployed microservices to Amazon EKS via Helm. Provided Load balancer service to Kubernetes for app exposure to the users.
  - Integrated AWS Lambda, API Gateway, DynamoDB, S3, SNS, SQS, and EventBridge for a complete serverless backend .
  - Secrets management done using Vault and AWS Systems Manager Parameter Store.
  - Monitoring infrastructure and applications using Prometheus, Grafana dashboards, AWS CloudWatch and X-Ray tracing.
  - Used Ansible for configuration management and loki for logs management.
  - Applied Kubernetes best practices in deployment, autoscaling, security, and resource management. Also followed IaC principles, and enforced least-privilege access across all components.

## Education

B.Tech In Electrical Engineering | UPES (Dehradun, Uttrakhand)

Bakhshi's Springdales Sr. Sec. School | Kota, Rajasthan