

# DURVA SHAH

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## PROFESSIONAL SUMMARY

Backend Engineer with nearly 3 years of experience designing and building serverless and microservice-based systems on AWS. Experienced in developing cloud-native services using multiple backend languages, with a strong focus on cost optimization, automation, monitoring, and production-ready architectures.

## TECHNICAL SKILLS

**Programming Languages:** Node.js, Python, C++, JavaScript

**Tools:** Postman, Grafana, CI/CD, Git, GitHub, Bitbucket, SonarQube, Vs Code

**Cloud:** AWS(Lambda, IAM, API Gateway, SNS, SQS, CloudWatch, CloudFormation, EventBridge, Athena, Cognito, S3)

**Databases:** Amazon DynamoDB, Amazon Athena, SQL/MySQL, NoSQL

**Concepts:** Microservices & Event-driven Architecture, DSA, System Design, OOPS, Serverless, Cost Optimization, Logging and Monitoring, REST APIs, CDK

**Testing & Quality:** Pytest, Unit Testing, Code Coverage, Linting

## WORK EXPERIENCE

### Tata Consultancy Services - Backend Developer

June 2023 – Present

#### *Serverless Backend Development with AWS*

- Designed and implemented scalable serverless microservice and event-driven applications by leveraging AWS Api Gateway, Lambda, S3, SQS, EventBridge and DynamoDB reducing infrastructure costs by **30%**.
- Optimized monitoring & compliance using CloudWatch & Grafana, improving **observability by 40%**.
- Wrote comprehensive unit tests for Lambda functions using Jest, achieving test coverage of **85%** and improving maintainability.

#### *CloudWatch Optimization*

- Developed an automation framework to manage AWS CloudWatch log retention policies, reducing manual **intervention by 90%** and cutting log storage **costs by 73%**.
- Saved \$2,500/month** by cleaning up **1500+** log groups using automated cleanup scripts.
- Enforced **100% compliance** on log retention policies **on 30+** AWS accounts by automating the setup of cross-accounts.

## PROJECT

### *Inventory Management System*

- Built a secure, serverless system.
- Deployed CI/CD pipelines using GitHub, and Serverless framework .
- Features: Secure user authentication, CRUD operations (Create, Read, Update, and Delete), real-time low-stock alerts via SNS.

## CERTIFICATIONS

- |                                     |                       |
|-------------------------------------|-----------------------|
| • AWS Certified Developer Associate | Sept 2025 – Sept 2028 |
| • GitHub Foundations                | Feb 2025 – Feb 2028   |
| • AWS Certified Cloud Practitioner  | Nov 2023 – Sept 2028  |

## EDUCATION

### Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore B.Tech in Computer Science - CGPA: 8.7

July 2019 – June 2023