

# DIVYA VENKATARAMANI

Senior Staff Engineer

## CONTACT

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- [LinkedIn](#)
- Pune

## SUMMARY

- 7 years of expertise in microservices-based serverless cloud architectures for IoT domain.
- 5 years of experience in designing and developing backend solutions using AWS, Python, SQL, Flask and REST APIs
- 3 years of experience in test-driven development in Node.js using Mocha and Chai
- A tenacious problem solver and a team leader skilled in delivering projects on time.
- Targeting mid-sized product companies to leverage my expertise.

## CERTIFICATIONS

- AWS Certified Solutions Architect – Associate | Jul' 23 – Dec' 26

## TECHNICAL SKILLS

- AWS Services**
  - Amazon EventBridge, SNS, SQS
  - EC2, Lambda
  - RDS, ElastiCache
  - X-Ray, CodePipeline, CodeBuild
  - IoT Core, IoT Events, IoT SiteWise
  - Systems Manager, CloudWatch
  - VPC, CloudFront, API Gateway, Route 53
  - Cognito, IAM roles, users, policies
  - S3
- Languages:**
  - Python, NodeJS
- Frameworks and Technologies:**
  - JIRA, Git

## EDUCATION

B.E. Computer Science – University of Pune  
Aug' 12 – Jun' 16

## WORK EXPERIENCE

### Senior Staff Engineer

Shoreline IoT | 10/2022 – 07/2023

- Implemented a data archiving system using Athena and S3, resulting in the reduction of the database size by 50% and improved query performance by 75% for historical data and external data sources.
- Optimized PostgreSQL database queries, resulting in a 30% decrease in average query response time and improving overall system performance.
- Leveraged edge-caching using CloudFront for static and dynamic content along with Lambda@Edge functions for invalidating the cache whenever the content changed.

### Staff Engineer

Shoreline IoT | 02/2021 – 09/2022

- Led and orchestrated a highly skilled team to integrate vibration analysis seamlessly into the existing product, ensuring prompt delivery and fostering exceptional customer engagement.
- Conceptualized an alarm management system using anomaly detection that could proactively identify mechanical failures, reducing downtime by 20%.
- Leveraged CI/CD using the Serverless framework which ensured build stability for dev and prod environments.

### Senior Software Engineer

Shoreline IoT | 07/2018 – 01/2021

- Pioneered the creation of 8 microservices for a multi-tenant cloud platform from scratch using Python.
- Developed and architected RESTful APIs using API Gateway, Lambda, and Aurora Serverless for PostgreSQL
- Implemented agile methodologies and streamlined processes that resulted in a 30% increase in productivity.

### Member of Technical Staff

Shoreline IoT | 07/2016 – 06/2018

- Developed and implemented a comprehensive project plan to build an IoT Edge Server by harnessing the power of Node.js and MQTT, resulting in successful launch of the product with 95% customer satisfaction.
- Led a team of 3 members throughout the development process, ensuring effective communication, collaboration, and adherence to project timeline.