

MAYURI GORHE

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EXPERIENCE

Full Stack Engineer, X2nSat | **Python, No-SQL, SQL, Linux, AWS** 08/2023 – Present

- Developed a **full stack web application** "Customer Portal" hosted on **AWS S3**, utilizing **AWS Cloudscape** design system, **TypeScript, HTML**, and **CSS** for the frontend.
- Designed and optimized backend infrastructure and relational database schema (**SQL** and **No-SQL**), **improving query performance by 40%**.
- Implemented robust **AWS Cognito** login, including **Google SSO**.
- Built **AWS Amplify Geo** integration for satellite terminal locations, enhancing operational efficiency by 25%.
- Created **AWS AppSync GraphQL API** with **Python** Lambda resolvers for efficient data fetching.
- Engineered **microservices** on AWS, integrating Lambda, DynamoDB, SQS, SNS for scalable workflows.
- Directed advanced AWS **serverless** architecture with Lambda, EventBridge, Timestream, DynamoDB, SQS, RDS.
- Used **AWS CDK** for application stack, **AWS CodeCommit** for version control for secure, scalable, and collaborative Git repository management, **pytest** for unit tests, and **CI/CD pipeline** implementation.

Systems Development Engineer, Amazon Web Services | **Java, No-SQL, Linux, AWS** 01/2023 – 06/2023

- Improved developer efficiency by 30%** via successfully onboarding service pipeline on Managed fleets, automated host patching and AL2 migration.
- Successfully deployed Amazon Repository Services in newly created air gapped AWS regions using **S3 buckets, IAM Roles, Host classes, Apollo environment**.
- Efficiently implemented **integration tests** for Amazon Repository service using JUnit.

Software Development Engineer Intern, AWS | **Java, Python, DynamoDB, Linux** 05/2022 – 08/2022

- Successfully implemented Streams High Side Onboarding Automation project which saved **132 development hours per year** of engineers.
- Developed automation to **reduce latency from 3 days per request to 10 minutes**.
- Created **design document** to implement the solution
- Implemented solution by using Java, Python, DynamoDB, JUnit other amazon internal tools
- Created **REST API and CLI** for customers to enable them to onboard themselves on high side partitions

Software Analyst, Yardi Software Private Limited | **SQL, RDBMS, SSRS, SSIS, Java** 09/2018 – 07/2021

- Optimized** SQL queries, cursors, triggers and stored procedures to improve performance by 35%.
- Developed complex SSRS, SSIS, Crystal, and **SQL Reports and Dashboards**.
- Worked on **Extract, Transform and Load (ETL)** process to migrate data from multiple type of data sources.
- Mentored** new employees on SQL, code reviews and monitored deliverables.

Associate Analyst, JADE Global Software Pvt. Ltd | **SQL, RDBMS, ERP** 07/2017 – 08/2018

- Worked on **Oracle ERP, Oracle SQL** and **developed forms and reports** using them
- Created **PL-SQL scripts** to migrate data from one oracle database to other as per client's need
- Worked on **Dell Boomi Integration** and completed **Dell Boomi Professional Developer certification**.

SKILLS

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|---------------------------|---------------------------------------------------------------------------|
| Programming Skills | : Java, Python, SQL, PL-SQL, C, C++, HTML, CSS, JavaScript, NodeJs |
| Databases | : MySQL, Oracle, Amazon DynamoDB |
| Operating systems | : Windows, Linux, MacOS |
| Tools | : SQL Server Management Studio, Visual Studio, IntelliJ IDEA, Git, Docker |

EDUCATION

Master in Computer Science GPA- 3.7/4.00
Illinois Institute of Technology, Chicago Illinois Graduation Date: December 2022
Coursework: Design & Analysis of Algorithm, Advanced Database Organization, Data Preparation and Analysis, Advanced Operating Systems, Software Project Management, Mobile Application Development, Software Testing and Analysis.

Bachelor of Engineering in Computer Science and Engineering GPA- 3.5/4.00
KIT'S College of Engineering, Maharashtra India Graduation Date: May 2017

CERTIFICATES

- AWS Certified Cloud Practitioner
- AWS Certified Developer Associate