

# Malaya Sugandhini Seerapu

Missouri, United States

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## Work Experience

### The Seats Foundation, Inc

#### Software Quality Assurance Developer

Harrisonburg, Virginia, United States

Feb 2025 - Current

- Designed and executed manual test cases to ensure software functionality, usability, and performance across multiple platforms.
- Identified, documented, and tracked defects, providing detailed reports with replication steps and severity assessments.
- Conducted regression and user acceptance testing (UAT) to validate fixes and ensure business requirements were met.
- Collaborated with developers and assisted in automation testing using frameworks like Selenium and Appium.

### KPIT Technologies

#### Associate Software Developer

Bangalore, India

September 2022 - March 2023

- Gained hands-on experience in software development and cloud infrastructure management, working with multi-cloud deployments and automation.
- Utilized Postman for API testing, Python for scripting, and Maven for build automation to streamline development workflows.
- Developed and deployed applications, troubleshoot issues, and collaborated with cross-functional teams for seamless project execution.
- Contributed to infrastructure automation, production environment monitoring, and implementation of DevOps best practices.

### KPIT Technologies

#### SOFTWARE ENGINEER INTERN

Bangalore, India

2022- July 2022

- Automated cloud infrastructure management using Terraform, Docker, and Kubernetes, optimizing multi-cloud deployments.
- Provisioned and managed AWS resources using Terraform, streamlining infrastructure automation.
- Designed and maintained CI/CD pipelines with Jenkins, reducing deployment time by 30% through containerized application deployment.
- Deployed and scaled applications on Kubernetes, ensuring high availability, load balancing, and efficient resource utilization.

## Projects

### Spotify

HTML, CSS, JavaScript

#### 🎵 INTERACTIVE MUSIC STREAMING APPLICATION

Github

- Developed an interactive music streaming web application with a dynamic playlist, playback controls, and a responsive UI.
- Implemented smooth audio playback functionality with play, pause, and skip controls.
- Designed a visually appealing interface optimized for various devices.

### PowerOfMath

React.js, Firebase

#### ⚡ SERVERLESS COMPUTATION APPLICATION

Github

- Developed a serverless web application for exponentiation using **AWS Lambda** for backend computation.
- Integrated **API Gateway** for seamless frontend-backend interaction and **DynamoDB** for dynamic data storage.
- Deployed the frontend with **AWS Amplify**, ensuring scalability and high availability.
- Configured **IAM roles**, **API Gateway CORS**, and optimized **Lambda functions** for enhanced performance.

## Technical Skills

### Cloud & DevOps

AWS, Kubernetes, Docker, Terraform, CI/CD

### Software Development

Java, Python, JavaScript, TypeScript

### Web & Backend Development

React.js, Next.js, Node.js, Express.js

### Database Management

MongoDB, PostgreSQL, DynamoDB

### Infrastructure & Automation

API Gateway, IAM, Jenkins, Ansible

## Education

### NorthWest Missouri State University

Missouri

#### MASTERS IN APPLIED COMPUTER SCIENCE

Aug 2023 - Dec. 2024

- 3.7/4.0

## Certifications

MTA HTML & Web Development

Python 101 for Data Science

2021