RUBANKUMAR S

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EXPERIENCE

API Automation Engineer - Sify Technologies Limited   **Jul 2023 - Present**
- Developed and maintained test scripts using Java, Python, and JavaScript, ensuring 98% test case accuracy.
- Designed and implemented API testing frameworks using Rest Assured, reducing test execution time by 35%.
- Integrated API tests into CI/CD pipelines, reducing deployment time by 40% and minimizing manual testing efforts.
- Automated dynamic data input from Excel for testing APIs, improving debugging and error tracking by 40%.
- Created data analysis scripts, resulting in a 30% reduction in manual data processing using Excel automation.

DevOps and API Automation Engineer Trainee - Sify Technologies Limited   **Jul 2023 - Sep 2023**
- Built robust CI/CD solutions, reducing manual deployment efforts by 5+ hours weekly.
- Enhanced DevSecOps by integrating security checks, achieving 20% faster software deployment cycles.
- Deployed AppDynamics for full-stack observability, identifying and resolving bottlenecks 2x faster.
- Deployed the CFX application using Kubernetes, ensuring high availability, auto-scaling, and seamless container orchestration, resulting in a 99.9% uptime.

Engineer Intern - Sify Technologies Limited   **Feb 2023 - May 2023**
- Developed interactive web applications using MERN stack, improving user engagement and page load times by 30%.
- Optimized SQL queries for CRUD operations, improving database response time by 35% and enhancing API efficiency.
- Mechanized infrastructure tasks using Python, reducing manual workload by 50% and improving system uptime by 20%.

EDUCATION

Computer Science and Engineering   **GPA:** 8.57   **May 2019 - May 2023**
Velammal College of Engineering and Technology, Madurai

SKILLS
- **Languages** : JavaScript, Java.
- **Automation and testing tools** : Postman,SoapUI, RestAssured, JUnit, TestNG.
- **Web Development** : ReactJS, NodeJs, HTML, CSS, JavaScript.
- **Databases**: MongoDb, MySql.
- **DevOps & Deployment**: Git, Github, AWS, Docker, Jenkins, Kubernetes.

PROJECTS
PROFESSIONAL PROJECTS
API Automation Framework
Designed and developed a comprehensive API testing framework using Rest Assured and TestNG, integrating it into a Jenkins-driven CI/CD pipeline.

CFX Application Deployment Using Kubernetes
Led the containerization and deployment of the CFX application on a Kubernetes cluster, ensuring a 99.9% uptime during high-traffic periods.Implemented Helm charts and automated CI/CD pipelines with Jenkins, reducing deployment times by 40% and achieving zero-downtime updates .

Cloud Migration Project
Migrated an on-premise application to Amazon Web Services (AWS) using Amazon Elastic Kubernetes Service (EKS) and AWS CodePipeline for automation.

PERSONAL PROJECTS
Chat Application │ GitHub
A real-time chat application with private and group chat functionality, including user authentication and the ability to share media files
Technologies : React, Node.js, Express, MongoDB, Socket.io, JWT Authentication, RESTful API,Redux

E-commerce Platform │ GitHub
A full-fledged e-commerce application with product listings, user authentication, payment gateway integration, and an admin panel for managing products and orders
Technologies : React, Node.JS, Express, MongoDB, Redux, RESTful APIS, Payment gateway, Authentication

Career Connect Platform │ GitHub
A job search and recruitment platform where companies can post job listings, and candidates can apply, upload resumes, and track applications
Technologies : React, Node.js, Express, MongoDB, Redux, RESTful API, JWT Authentication

CERTIFICATES

AWS Certified Developer Associate   **April 2023 - Expires in April 2026**
AWS services like Lambda, DynamoDB, and S3 for cloud-based application development and deployment, API Gateway, IAM security, CI/CD pipelines.

JavaScript Certification
JavaScript concepts including variables, control flow, loops, functions, and DOM manipulation, asynchronous programming, closures and object-oriented programming.