

Gagan Rohit

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EDUCATION

New Jersey Institute of Technology

Master of Science in Computer and Information Sciences

January 2021 - August 2022

Newark, USA

Gandhi Institute Of Technology and Management

Bachelor of Engineering in Computer Science

June 2016 – May 2020

Visakhapatnam, India

EXPERIENCE

DevOps Engineer

September 2022 - Present

THOUGHTWAVE SOFTWARE AND SOLUTIONS INC

Chicago, IL

- Deployed resilient AWS solutions, including EC2, S3, and ELB, while leveraging EBS for persistent storage and auto-scaling groups to enhance system scalability, resulting in a 40% increase in overall system resilience.
- Created and maintained CI/CD pipelines for Java applications using Jenkins, improving build and test efficiency by 30%.
- Optimized configurations for Kubernetes pods and services, enhancing resource utilization and scaling efficiency, leading to a 25% improvement in load balancing.
- Exercised Terraform and CloudFormation for infrastructure automation, reducing manual deployment time by a mere 40%.
- Constructed and managed containerized environments on Kubernetes and AWS ECS, overseeing deployment and maintenance for 5+ production environments.
- Enhanced, built, and tested workflows using Jenkins, increasing efficiency and decreasing repeatability by up to 30%.
- Managed configuration of Linux and Windows instances using Ansible.

Associate Software Developer

January 2019 - December 2020

THOUGHTWAVE INFO SYSTEMS

Hyderabad, India

- Specialized in web development by designing UI screens with HTML5, CSS3, and JavaScript, while working on analysis, database design, development, and implementation.
- Automated build and deployment pipelines using Jenkins, enabling seamless and rapid software releases.
- Built MEAN stack applications using MongoDB, Express.js, ReactJS, and Node.js, and developed RESTful web services to facilitate interaction with UI interfaces via REST APIs.
- Deployed applications on Amazon Web Services (AWS) using S3, EC2, and RDS for database management, while managing version control with Git for incremental development.
- Led various stages of the software development life cycle (SDLC), including strategic systems planning, design, programming, testing, documentation, client presentations, and preparing customer specifications as part of technical requirements and client support.

PROJECTS

Credit Card Approval Prediction, Machine Learning

December 2021 - February 2022

- * Developed a credit scoring system using a Logistic Regression model (300-850 range) for binary classification and feature coefficient calculation.
- * Designed a scorecard that multiplies the logistic regression coefficient by a set value (e.g., 100) for analysis.
- * Applied vintage analysis with 86% accuracy to assist banks in credit card issuance decisions based on the scorecard.

Designed A Digital Payment Wallet, Database Management System Design

May 2021 - July 2021

- * Designed and implemented 70% of a database system application.
- * Developed the backend in Python 3.9 for data processing and server communication.
- * Application features: user sign-up, account linking, transfers, payment requests/cancellations, and payment history.
- * Recorded payments from the last 6 months with timestamps, organized into monthly statements.

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, C++, SQL (as a Database Query Language).

Frameworks and Libraries: Angular, ReactJS, Node.js, Spring Boot, Flask, FastAPI, pandas, NumPy.

Cloud Platform: AWS (EC2, S3, Lambda, ELB, ECS, EBS, DynamoDB.)

DevOps Tools: Jenkins, Terraform, CloudFormation, Ansible, Docker, Kubernetes, Git.

Other Tools: Postman, JIRA, JUnit, TestNG.