SRI HARI N U

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Skills

Languages: Java, Python, SQL
Tools & Technologies: Spring Boot, Kafka, Terraform, Docker, Kubernetes, Git, Jenkins, Spinnaker, AWS - ECS, S3, Glue, SQS, SNS, Lambda, Athena.

Experience

JP Morgan Chase & Co. Bengaluru, India
Software Engineer II Feb 2024 – Present

- Improved regulatory report generation latency by 75% by model mapping logic optimization.
- Streamlined CI/CD pipelines using Jenkins and Spinnaker and automated infrastructure provisioning with Terraform, cutting deployment time by 60%.
- Containerized applications using Docker and deployed on ECS Fargate, processed real-time data via MSK with storage in S3 and audits in Aurora PostgreSQL.
- Developed Kafka Connect connectors deployed on Kubernetes to enable real-time ingestion from Sybase database for low latency real-time feeds streaming.
- Automated ECS workflows using EventBridge, Step Functions, and SNS with service-level alerting.
- Reduced EOD reporting latency by 70% through batch processing, parallelization / multithreading.
- Migrated workflows from Aurora MySQL to AWS serverless architecture using Glue, Python and PySpark.
- Built end-to-end regression test suite using Pytest, Playwright and AWS-SDK, eliminating manual testing.
- Developed an internal chatbot backed by an in-house LLM API to provide quick access to knowledge base insights.

JP Morgan Chase & Co. Bengaluru, India
Software Engineer Consultant Sep 2022 – Jan 2024

- Built a real-time trade feed consumer application from scratch, onboarding subscribers to consume messages from AMPS queues across multiple product feeds.
- Implemented size-based log rolling, reducing host disk memory usage by 55%.
- Automated reconciliation and EOD processes using shell scripts and Control-M in on-prem servers.
- Added unit tests using JUnit, Mockito, and Reflection API with coverage analysis via SonarQube.
- Upgraded 5 microservice components from Java 11 to Java 21 and Spring Boot 2.7 to 3.4 that had complex and critical codebases.

Education

Visvesvaraya Technological University, Belgaum Aug 2018 – Aug 2022
B.E. in Computer Science and Engineering CGPA: 7.45 / 10

Relevant Coursework: Data Structures and Algorithms, Artificial Intelligence, Machine Learning, Cloud Computing, Object-Oriented Programming, Databases, Operating Systems, Computer Networks

Project Work

Prediction of COVID-19 Patient Severity (2022)

- Developed a machine learning-based web application to predict COVID-19 severity using patient clinical data.
- Implemented using Python, Flask, HTML, CSS, NumPy, Pandas, Keras, and Scikit-learn.
- The model achieved 93% prediction accuracy using an Artificial Neural Network.

Certifications

- AWS Certified Cloud Practitioner