Bindu Trilekha Mylavarapu

Newyork City, NYC (Open to Relocation)

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Experience

Intuit Inc **March 2025 – present**
Software Engineer 2 *NYC, NY*
TechStack: *Php, GoLang, Protobuf, Kubernetes, CI/CD, AWS, Wavefront*

- Automated weekly Aurora DB migrations across **22** shards using Twirp RPC, cutting manual effort by **90%**, reducing human errors, and accelerating migration timelines by **3x**, which significantly improved overall team productivity.
- Enhanced **observability** by integrating logs and building a **self-service Splunk dashboard**, improving traceability, reducing DB team dependency, and cutting triage time by **60%**, down from **minutes to seconds**
- Implemented **CI/CD** validations with **Jenkins** to enforce frozen table rules, preventing risky manual checks and improving release compliance via auto-generated GitHub PRs and JIRA tickets.
- Investigated CPU throttling and adjusted Kubernetes pod resource affinity correctly to prevent throttling at high loads.
- Improved weekly release process, reducing build and deployment failures to **less than 5%**, by stabilizing CI/CD workflows and integrating proactive failure detection and alerting

Barclays **June 2023 – Feb 2025**
Full Stack Developer *NYC, NY*
TechStack: *Microservices, Spring Boot, Core Java, Kubernetes, AWS, Swagger, Swift, Junit, Jenkins, kibana, Postman*

- Led modernization of a legacy money transfer system by migrating it to a **Kubernetes-native** Java application using Spring Boot and Protobufs enhancing **scalability** and **system resilience**.
- Engineered comprehensive end-to-end APIs, facilitating seamless operations for retrieving all transfers, offers violation updates, and managing transactions for 500k+ users
- Leveraged **Amazon Redshift** and open-source tools like OpenSearch to store and analyze large-scale financial transaction data, improving reporting efficiency and visibility.
- Built CI/CD pipelines with Jenkins and Blue-Green Deployment strategy, ensuring zero-downtime production releases.

SAP Labs India **Jan 2020 – Dec 2021**
Developer Associate *Bengaluru, IN*
TechStack: *Core Java, Hibernate, SAP HANA, JDBC, JavaScript, Jmockito, Jenkins, Spring, ORM*

- Led UTC migration for the Analytics Module, improving timestamp accuracy across global client locations
- Optimized the Analytics & Reporting module, reducing query processing time by **85%** for faster reports.
- Upgraded Hibernate from version 2.3 to 5.4.1, resolving critical L1 cache and flush issues, resulting in **smoother data management and faster report generation** for all clients.
- Increased JUnit code coverage by **60%**, improving code quality and maintainability by refactoring legacy code.

Skills

Languages & Scripting: Java, Go, Php, Python, Swift, SQL, Shell
Web & Frameworks: React.js, Node.js, Spring Boot, Hibernate, Microservices
DevOps & Cloud: Docker, Kubernetes, OpenShift, Jenkins, AWS
Testing & Tools: JUnit, TestNG, Karate, Postman, Insomnia
Monitoring & Messagings: Splunk, Kibana, Wavefront, Kafka, Protocol Buffers
Version Control & IDEs: Git, IntelliJ, Eclipse, Xcode, VS Code

Projects

- Developed a weather forecast application using React JS to display current conditions and provide a seven-day forecast. Integrated OpenWeatherAPI for weather data retrieval and leveraged Geo DB API for city auto-search functionality.
- Designed and implemented an E-commerce platform using Node.js and MySQL as the backend. Created robust cart functionality for updating and retrieving purchase data. Integrated PayPal API for secure online transactions.
- Designed an Android app to capture sign language gesture videos and apply a recovery algorithm for information extraction. Achieved accurate gesture prediction using a cosine similarity algorithm on a sign language database.

Education

Arizona State University **July 2023**
Masters of Science in Computer Science *Tempe, AZ*
Amrita School of Engineering **June 2020**
Bachelors of Technology in Computer Science and Technology *Coimbatore, IN*