Sriman Reddy Pingili | Software Engineer
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SUMMARY

Full Stack Software Engineer with 3+ years of experience building distributed systems, cloud APIs, and frontend interfaces in React and TypeScript. Improved deployment speed by 40%, reduced service latency by 30%, and accelerated defect resolution through test coverage and modularization. Applied Java, Spring, and CI/CD pipelines to modernize legacy systems and deliver scalable services aligned with SOC 2 and GDPR compliance across financial platforms.

PROFESSIONAL EXPERIENCE

Software Engineer, Capital One   **Feb 2025 – Present | New York, NY**

- Reengineered monolithic data layers into modular Spring Boot services using JPA and PostgreSQL, accelerating deployment cycles by 40% and improving code reuse.
- Transitioned legacy Java endpoints to standardized Spring MVC APIs, aligning services to internal SLAs and streamlining developer onboarding.
- Secured API authentication flows using OAuth2 and JWT, reducing cross-service access errors by 30%.
- Orchestrated GitLab CI/CD automation and Kubernetes workflows, cutting provisioning times by 50%.
- Authored RESTful service contracts for partner systems using J2EE and Hibernate integration layers, expanding external API adoption.
- Tech: Java, Spring Boot, Spring MVC, JPA, Hibernate, PostgreSQL, GitLab CI/CD, Kubernetes, OAuth2.0, J2EE

Software Engineer Intern, Capital One   **Jul 2024 – Dec 2024 | New York, NY**

- Engineered gRPC and REST APIs connecting Java microservices with external vendor systems, improving integration throughput by 25%.
- Deployed real-time observability dashboards in React to surface system incidents; layered alerts using ELK Stack, reducing triage latency by 35%.
- Delivered CLI and utility scripts in TypeScript and Node.js to support platform diagnostics during incident response.
- Instituted JWT-based token access in CI pipelines and conducted audits on token expiry logic, improving OAuth coverage.
- Integrated security and static code scanning into Jenkins pipelines for SOC 2 and PCI DSS readiness in production paths.
- Tech: Java, TypeScript, Spring Boot, Node.js, React.js, gRPC, REST APIs, ELK, Jenkins, SQL, OAuth2.0, JWT

Software Engineer, Mphasis   **Apr 2022 – Jul 2023 | Bangalore, KA, India**

- Launched a real-time alerting engine using Node.js and React, processing 50K+ events daily with 99.99% uptime.
- Redesigned internal admin tools in Spring MVC and jQuery to eliminate vendor lock-in and reduce support effort, exposing updated interfaces as REST APIs.
- Automated high-volume ETL pipelines on AWS (Lambda, S3, DynamoDB) for a HIPAA-regulated client handling 1M+ records daily.
- Executed integration testing strategies across microservices using JUnit and Mockito, achieving 95% test coverage and reducing regression leaks.
- Embedded Elasticsearch-backed metrics for anomaly detection; published alerts to Grafana for DevOps actionability.
- Tech: Java, Spring MVC, Node.js, React, jQuery, AWS (Lambda, S3, DynamoDB), JUnit, Mockito, ELK Stack

Associate Software Engineer, Hexaware Technologies   **Jan 2021 – Mar 2022 | Bangalore, KA, India**

- Architected Kafka-based ingestion pipelines using Spring Boot and JPA to reduce processing latency on healthcare data streams by 30%.
- Enhanced MySQL query efficiency by applying schema optimization and Hibernate refactors, halving reporting time.
- Modernized legacy J2EE components and abstracted backend logic behind RESTful APIs to streamline contract standardization.
- Provisioned reproducible AWS environments using Terraform and IAM roles, decreasing config errors by 80%.
- Programmed Python-based validation utilities for ETL QA in Kafka ingestion pipelines.
- Collaborated with QA to implement ELK-based anomaly detection, reducing incident response cycles across live services.
- Tech: Java, Python, Spring Boot, Kafka, JPA, Hibernate, J2EE, MySQL, Terraform, AWS, ELK

SKILLS

Programming Languages: Java, Python, C, C++, JavaScript, TypeScript, HTML, CSS, Go, Bash, SQL
Frameworks & Libraries: Spring Boot, Spring MVC, Hibernate, JPA, React.js, Angular, Node.js, Express.js, GraphQL
Web Development: REST APIs, gRPC, Web Services, JSON, Frontend, Backend, Microservices
Databases: PostgreSQL, MySQL, NoSQL, MongoDB, Cassandra, Redis, DynamoDB
Cloud: AWS, GCP, Azure (basic), Lambda, S3, EC2, RDS, CloudFormation, IAM, CloudWatch
DevOps: Docker, Kubernetes, Jenkins, Maven, Terraform, Ansible, ELK Stack, CI/CD
Monitoring & Observability: Grafana, Prometheus, Stackdriver, Log Analysis, Alerting Pipelines
Authentication & Security: OAuth2.0, JWT, SAML, GDPR, HIPAA, SOC 2, PCI DSS
Data & ML Tools: NumPy, Pandas, PyTorch, TensorFlow, Apache Spark, NLP
Version Control & Collaboration: Git, GitHub, Bitbucket, JIRA, Confluence, Postman
Infrastructure & Messaging: Apache Kafka, System Design, large-scale systems, Agile, SDLC

Other Skills: Debugging, Performance optimization, Customer Service, Test driven development, Quality Assurance, Test Engineering, Project Management, Troubleshooting, Communication Skills

EDUCATION
Master of Science in Computer Science
University at Buffalo, The State University of New York   Aug 2023 – Dec 2024 | Buffalo, NY
Relevant Coursework: Algorithm Design & Analysis; Data Models & Query Languages; Data Intensive Computing

Master of Technology in Electronics and Communication Engineering
International Institute of Information Technology Bangalore   Aug 2018 – Jul 2023 | Bangalore, KA, India
Integrated MTech in ECE (AI/ML Specialization) – Dual Degree.
Relevant Coursework: Data Structures and Algorithms; Software Production Engineering; Operating Systems; Programming Languages; Database Systems; Computer Networks; Machine Learning; Visual Recognition; Cyber Security

PROJECTS
Mercari Price Suggestion Challenge | Python; Scikit-learn; Pandas; Numpy; Matplotlib
- Developed a predictive machine learning model and deployed a Flask-based web application using Python, HTML, and CSS to estimate product prices on Mercari, achieving an RMSLE of 0.45.

Shed Allocation Optimization | Go; Gin; MongoDB; Docker
- Orchestrated the automated solution of locomotive-to-shed mapping, resolving the Shed Allocation problem with multi-criteria constraints, resulting in optimized resource allocation and a 15% increase in locomotive turnaround efficiency.

Fantasy Football Data Analysis Tool | Python; PostgreSQL; Database Design; Data Normalization; Indexing
- Designed a web-based data analysis tool using Python and PostgreSQL to evaluate football player statistics, implementing indexing, database design, and normalization for optimized query performance and enhanced data insights.

BookNest Web Application | React.js; Redux; Node.js; Express.js; MongoDB
- Built a full-stack website from scratch which acts as an online marketplace for buying and selling books. Added session handling capabilities to maintain user state after login, logout, refresh, and browser shutdown.

Pintos Operating System | C; OS; Git; Docker; Advanced System-Level Programming
- Implemented advanced threading, synchronization, priority donation, MLFQS, safe memory access, system calls for Pintos operating system using C, reducing context switch latency by 20%.