

TECHNICAL SKILLS / ACHIEVEMENTS

Frameworks	Spring, Spring Boot, REST APIs, JPA, Hibernate, JWT, OAuth, Spring Security
Languages	Java, C, Python, Shell Scripting
Cloud Technologies	AWS (IAM, VPC), Terraform, Docker, Kubernetes (K8s)
Monitoring & CI/CD	Jenkins, Grafana, Prometheus, Kafka, Redis
Developer Tools	Git, GitHub, Maven, IntelliJ IDEA, VS Code, Postman
Awards & Certifications	Jio Star Performer – Learning Champion Award University of Michigan – Python for Everybody Specialization
	(FY 2024–25) (2021)

WORK EXPERIENCE

Jio Platforms Limited | Software Development Engineer (Jenkins, Docker, Kubernetes, Ansible, AWS) (Sept 2024 – Present)
CI Automation for Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM)

- Designed and maintained **end-to-end CI/CD pipelines** using **Jenkins** and **Docker**, reducing deployment time by **40%**.
- Automated infrastructure workflows using **Ansible**, **Python**, and **Shell scripting**, eliminating **70% manual effort**.
- Implemented **SRE monitoring** with **Prometheus** and **Grafana**, achieving **99.99% uptime**.
- Built **Kubernetes-based deployment pipelines** with **RBAC** and persistent storage, supporting large-scale **IoT FOTA**.

Jio Platforms Limited | Graduate Engineer Trainee (Java, Spring Boot, Kafka, Redis, Docker) (July 2023 – Aug 2024)

- Diagnosed and resolved critical **JVM memory and I/O bottlenecks** by tuning **heap sizing**, **GC strategies**, and buffer management, improving memory utilization by **99%**.
- Designed and implemented scalable **Bluetooth (BLE) data ingestion services** in **Java**, handling connection lifecycle and high-throughput data transfer under concurrent workloads.
- Built high-reliability **file pooling and persistence mechanisms** using **record-level locking**, **lseek-based I/O positioning**, and concurrency controls, ensuring thread safety and deadlock prevention.
- Developed **Spring Boot-based REST APIs**, integrating **Kafka** for asynchronous processing and **Redis** for caching, improving throughput and service responsiveness.
- Automated **Docker-based CI/CD pipelines** and asynchronous workflows, reducing **manual release effort** by **60%**.

KEY PROJECTS

Agentic Resume Intelligence Platform (AWS, Python, LangChain, BERT)

- Built a **serverless resume matching system** using **Sentence-Transformers (BERT)** embeddings to semantically match resumes with job descriptions, reducing **manual screening effort** by **60%**.
- Designed and deployed a **cloud-native architecture** on **AWS Free Tier**, leveraging **Amazon S3** for document storage, **AWS Lambda** for compute, **DynamoDB** for metadata persistence, and **API Gateway** for RESTful endpoints.
- Implemented an **agentic workflow** using **LangChain**, orchestrating resume parsing, embedding generation, similarity scoring, and ranking with **FAISS** for vector search and retrieval.
- Developed a scalable **ETL and inference pipeline** in **Python**, using **PyMuPDF** and **python-docx** for document parsing, **boto3** for AWS integration, and optimized batch processing for efficient execution.

SpringShield (Spring Boot, Spring Security, JPA, H2, Maven)

- Developed **SpringShield**, a Spring Security application powered by **JWT (JSON Web Tokens)** for authentication and authorization, improving application security by **70%**.
- Implemented **method-level security** with **role-based access control (RBAC)**, enabling fine-grained access control and improving access management by **10%**.
- Automated **refresh token** handling to reissue access tokens upon expiration, improving authentication efficiency and increasing performance by **15%**.

ThreadBoost (Spring Boot, Thread Pool, REST API)

- Built a Spring Boot application to demonstrate **non-blocking architecture** using **thread pools**, clearly contrasting **blocking vs non-blocking** request handling models.
- Achieved significant performance improvements, including **95.6% faster CRUD operations** and an **85% efficiency gain** in file read/write operations.

EDUCATION

- B.E. in Computer Science and Engineering, MS Ramaiah Institute of Technology, Bengaluru**

2019 - 2023