

# JEET BAROT

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## TECHNICAL SKILLS

- **Languages & Frameworks:** Python, Java, JavaScript, SQL, Spring Boot, Django, FastAPI, Flask, Angular
- **Cloud (AWS):** S3, ECS, EKS, DNS, SNS, SQS, Load Balancer, ASG, API Gateway, Aurora, CDN
- **DevOps & CI/CD:** Docker, Kubernetes, Jenkins, Git, GitHub Actions, JIRA, SonarQube
- **Databases & Messaging:** SQL, Redis, Elastic Search, Aurora, Neo4j, AWS Neptune, SQS
- **Tools & Testing:** Selenium, Postman, JMeter, PyTest, TestNG, Rest Assured, Sentry, Web Scraping
- **Certifications:** Oracle certified Java Developer (88%), Python3.
- **Soft - Skills:** Strong problem-solving, effective in team collaboration, and excellent in verbal and written communication.

## PROFESSIONAL EXPERIENCE

**Lexis Nexis Risk Solution | Software developer 3 | Hybrid | FinTech, Banking & Risk Intelligence** **Oct 2024 – Present**

- **Worked on BankersAlmanac.com**, a 180-year-old global financial intelligence platform serving compliance teams with data on 200,000+ banking institutions. Managed and enhanced a mesh of **15+ microservices**, integrating KYCKR to onboard non-bank financial institutions (NBFIs), improving due diligence automation and data coverage.
- **Cloud & Monitoring:** Refactored and containerized 5+ microservice Java applications for scalable deployment on AWS ECS; set up end-to-end observability using Python Watchdog and ELK. Led migration from Neo4j to AWS Neptune, cutting graph query latency by 10% and reducing infra cost by 15%.
- **AI & DevOps Automation:** Built an autonomous AI agent to triage and remediate Java dependency vulnerabilities using Mend scan data and LLMs, integrated into the CI/CD pipeline via Jenkins and Git workflows. Reduced triage time from 6 days to 15 minutes with 60% auto-remediation accuracy. Developed a PoC using LangChain-powered RAG search to enable real-time technical documentation retrieval and inline API guidance.

**Shree Siddhi Service | Sr. Backend Developer | Remote | ERP, SAAS** **June 2023 – Sept 2024**

- Developed a web application to optimize story creation in Azure DevOps, reducing backlog grooming and task assignment time by 60%. The solution facilitated direct communication between clients and developers, bypassing traditional intermediaries and enhancing Kanban workflow efficiency.
- **Microservices Transformation:** Migrated a monolithic cottage platform to microservices using Java for core services and Python for notifications, ensuring reliable communication with message queues.
- **AI & ERP Integration:** Developed a Llama-based chatbot via AWS Lambda for FAQs and improved Odoo ERP efficiency by 20% with custom Python modules.

**Key Note Capital | Lead Backend Developer | Mumbai, India | Finance** **Jan 2023 – June 2023**

- Developed Fikaa; a women-centric **investment platform** with a scalable, high-availability microservices architecture.
- **Microservices & Cloud:** Built and deployed Java (User, Portfolio, Trade, Notifications) and Python (Recommendation, Data Ingestion) microservices on AWS EKS using Docker. Used RabbitMQ, Kafka, Aurora DB (CQRS), S3, and Lambda for efficient processing.
- **Optimization & Leadership:** Improved performance with AWS Lambda, in-memory caching, and S3 lifecycle policies. Led teams in architecture, CI/CD, and testing, integrating Sentry, AWS X-Ray, and CloudWatch for monitoring.

**Tata Consultancy Services | Full Stack Engineer | Mumbai, India | Manufacturing** **April 2021 – Jan 2023**

- Worked on a system for customized report generation using **Java, Python & Angular** to improve after-sales process management for an international airline manufacturing client. This system enhanced the understanding of customer buying patterns and partner performance, optimizing supply chain management and business processes.
- **Scalable Microservices & Performance Optimization:** Designed **AWS ECS microservices** with Eureka for high availability, reducing downtime and enhancing supply chain efficiency. Optimized **RDS performance** with complex SQL queries, stored procedures, and materialized views for faster data processing.

## PROJECTS

**CodeContext AI (AI Debug Assistant) – Personal Project**

*FastAPI, GPT-4, Claude, Local Models, Qdrant, PostgreSQL*

- Built an AI coding assistant with continue.dev, FastAPI + GPT-4/Claude/local models, integrated with microservices. Used Qdrant + PostgreSQL to enable contextual code debugging from 100+ prior conversations; supports BERT/LoRA fine-tuning.

## EDUCATION

**SIES Nerul, Mumbai Univ, Navi Mumbai | B.Tech – ENTC Engineering | 8.03 SGPA**

**Aug 2016 – Oct 2020**