

JEET BAROT

barot.s.jeet@gmail.com | +91 9004103619 | [Linkedin](#) | [GitHub](#) | [Portfolio](#) | Mumbai



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.
- **Containerized** 5+ Java **microservices** for scalable deployment on AWS ECS, and implemented observability using Python Watchdog and the **ELK** stack, enhancing monitoring and alerting capabilities.
- Migrated graph data from **Neo4j to AWS Neptune**, reducing query latency by **10%** and infrastructure costs by **15%**.
- AI Automation: Designed and deployed an **LLM-based agent** to triage and remediate Java dependency issues using Mend Scan and GPT, **reducing triage** time from **65 mins to 15 mins** with **60% auto-remediation accuracy**. Also built a LangChain-powered **RAG** PoC for real-time retrieval of technical documentation.

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