RAHUL MANJUNATH PUDURKAR

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SUMMARY

Software Development Engineer with 5+ years of experience designing and scaling backend systems, APIs, and cloud applications across finance, logistics, and healthcare domains. Hands-on with **Java (Spring Boot), Python (FastAPI), React/TypeScript, and AWS (EC2, S3, Lambda, RDS)**. Delivered measurable results including **40% faster API response times, 60% shorter release cycles, and $6.5M in risk prevention** through efficient service architecture and automation.

EXPERIENCE

JPMORGAN CHASE
Software Development Engineer
Jan 2025 - Current
New York, NY

- Engineered **LLM-driven document processing services** in **FastAPI** to extract and classify clauses from trade contracts, reducing analyst review time by **40%**.
- Designed scalable **data ingestion and retrieval pipelines** using **AWS Glue, Airflow, and PostgreSQL**, handling 10M+ financial records with structured tokenization for LLM access.
- Integrated **LangChain and vector-based search (FAISS)** within microservices to enable contextual retrieval for contract summaries; improved lookup precision by **35%**.
- Automated model deployment workflows with **Docker and CI/CD pipelines**, cutting model release cycles from weeks to days.
- Partnered with compliance teams to embed anomaly-detection endpoints into internal dashboards, preventing **$6.5M in potential misclassified exposures**.

CLUTCH DELIVERY LLC
Software Engineer - Syracuse University CASE Co-op Program
Dec 2023 - Aug 2024
Syracuse, NY

- Re-architected a **last-mile logistics platform** into containerized **microservices (Docker, Kubernetes)**, improving scalability and cutting API response latency by **40%** under production load.
- Developed **backend services in Python and FastAPI** to optimize delivery routing using demand prediction APIs, reducing average delivery delays by **22%**.
- Revamped a **hybrid data layer** combining **PostgreSQL and MongoDB** for structured and unstructured route data, ensuring 99.9% uptime and faster lookups for active shipments.
- Structured **CI/CD pipelines with GitHub Actions and Jenkins**, reducing deployment time by **60%** and enabling consistent, zero-downtime rollouts.
- Enhanced driver-tracking dashboards using **React and WebSockets**, boosting real-time location accuracy and improving customer engagement by **30%**.

DURE TECHNOLOGIES
Software Engineer – iMonitorPlus- Financial Data Platform
Apr 2021 - Jun 2023
Mumbai, India

- Developed **backend microservices in Java (Spring Boot)** to process multi-country financial transactions, scaling throughput 40% while maintaining less than 200 mili second API latency.
- Integrated **Python data-processing modules** for anomaly detection and data reconciliation across 35+ markets, helping identify $4.1 M in misreported exposures.
- Optimized **MySQL + Hibernate** queries and caching layers, cutting heavy-load query times by 55% and improving batch performance on high-volume trading data.
- Engineered **ReactJS dashboards** for real-time financial monitoring and exception tracking, increasing adoption among 5 K+ users and reducing manual audit cycles by 30%.
- Containerized services with **Docker and AWS EC2 deployments**, improving release stability and enabling weekly zero-downtime rollouts through CI/CD pipelines.

SPACE INFOLAB
Java Developer - Loan & Customer Onboarding Platform
Jan 2020 - Mar 2021
Remote, India

- Built **Java Spring Boot microservices** to power loan-origination and customer-onboarding workflows, scaling to **80 K+ daily API requests** with <300 ms latency.
- Designed a **hybrid storage architecture** using **Oracle DB and MongoDB**, improving read/write efficiency by **45%** across transaction and customer-activity logs.
- Implemented **multithreading and JMS queues** for parallel payment-event processing, increasing throughput and cutting dropped transactions by **35%**.
- Automated **build and deployment pipelines** with **Maven + Jenkins** to both on-prem and AWS EC2 environments, reducing release cycles from two months to weekly zero-downtime rollouts.
- Enhanced **authentication and audit modules** to meet compliance and traceability requirements, strengthening platform reliability for regulated financial clients.

SKILLS

Programming & Backend: Java (Spring Boot, REST APIs, Microservices, JMS, gRPC, Protocol Buffers), Python (FastAPI, PySpark, Pandas, NumPy, Scikit-learn, PyTorch, and XGBoost), Node.js, Express.js

Frontend Development: React.js, TypeScript, Next.js, Redux, GraphQL, WebSockets, Material UI, Responsive UI Design

Cloud Computing & DevOps: AWS (EC2, S3, Lambda, SageMaker, Bedrock, Glue, Auto Scaling, CloudWatch), Azure, Docker, Kubernetes, Terraform, Jenkins, GitHub Actions, Airflow, Serverless Architecture, Infrastructure as Code,

Data Engineering & Databases: SQL (PostgreSQL, Oracle, MySQL, SQL Server), NoSQL (MongoDB, Firebase, Supabase, Vector DBs), ETL Workflows, Data Modeling, Data Lake Management, Apache Kafka, Data Governance

AI/ML & Analytics: NLP (spaCy, NLTK), Hugging Face Transformers, RAG Frameworks, LLM Development, Prompt Engineering, OpenAI API, OpenCV, FAISS, Feature Engineering, Anomaly Detection, Time Series Analysis, Statistical Analysis, A/B Testing, Model Deployment & Monitoring

EDUCATION

Syracuse University
Master of Science in Computer Science
May 2025
Syracuse, NY