Chanukya Gattu

Senior Software Engineer

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SUMMARY

Backend and API Engineer with 10+ years of experience designing and leading scalable, high-performance systems for Fortune 100 financial platforms. Proven record building **cloud-native architectures**, **event-driven APIs**, and **data pipelines** that serve millions of transactions daily with high reliability. Experienced in **Java, Python, and Spring Boot**, and deeply skilled in delivering production systems on **AWS (ECS, EKS, Glue, Aurora, Terraform)**. Known for bridging engineering and product goals to build **resilient backend platforms** that improve reliability, reduce latency, and drive measurable business impact at scale.

WORK EXPERIENCE

Senior Software Engineer   Aug '22 — Present
JP Morgan Chase   Plano, United States

- **Led design and ownership of backend APIs** powering a digital wealth-management platform serving **100 K + clients and advisors**, delivering secure, low-latency data access for real-time portfolio insights.
- **Architected and developed Java Spring Boot microservices** with **Apache Kafka** for event-driven investment and goal-tracking workflows, sustaining ~**200 TPS** with **sub-200 ms** average latency.
- Built **asynchronous, scalable data-processing pipelines** in **PySpark on AWS Glue**, enabling both real-time and batch analytics; improved system reliability and reduced data-sync latency by **25 %**.
- **Automated infrastructure provisioning** and deployment using **Terraform, ECS, and Docker**, reducing environment setup and release times by **40 %**.

Senior Software Engineer   Aug '21 — Aug '22
AT&T   Plano, United States

- **Led modernization and migration** of legacy on-prem applications to **AWS**, deploying services on **ECS** and **Kubernetes**, improving scalability and deployment reliability by **40%**.
- **Re-architected a monolithic platform into cloud-native microservices** using **Java Spring Boot**, enabling independent scaling and faster release cycles.
- **Automated infrastructure provisioning** with **Terraform** and implemented continuous delivery pipelines via **Jenkins** and **GitHub Actions**, reducing release effort by **30%**.
- Enhanced **observability** using **Datadog, CloudWatch, and Grafana**, reducing incident detection time and improving MTTR by **35%**.

Senior Software Engineer   Jan '20 — Aug '21
Capital One   Plano, United States

- **Designed and implemented Java Spring Boot microservices** to enhance and scale Capital One's **Auto Loans backend platform**, improving reliability and API response times across loan servicing systems.
- Built **real-time data streaming pipelines** with **Apache Kafka** to process and distribute high-volume loan, payment, and underwriting events with strong delivery and ordering guarantees.
- Strengthened **security and compliance** through **field-level encryption, tokenization**, and **RBAC enforcement**, aligning with enterprise risk and PCI standards.
- Optimized batch and event-processing workloads using **Java Concurrency APIs** and multithreading, improving data throughput by **35%** and reducing latency under peak load.

Software Engineer   May '15 — Jan '20
Verizon   Irving, United States

- Contributed to the modernization of backend services within Verizon's **OPTIX Ordering Suite**, supporting FiOS order management and high-volume call center operations for wireline products.
- Developed **Java Spring Boot–based APIs** and integration modules to improve order fulfillment and customer provisioning workflows. Optimized backend performance through query tuning, caching, and asynchronous processing, improving **order processing latency by ~25%**.
- Collaborated with senior engineers to migrate legacy SOAP endpoints to **RESTful APIs**, reducing service coupling and improving maintainability. Gained strong foundation in **enterprise backend development, API integration, and large-scale system performance** within a distributed environment.

EDUCATION

Master of Science in Electrical Engineering, State University of New York   Aug '13 — May '15
                                                                                       New Paltz, New York, United States

- Specialized in embedded systems, algorithms, distributed computing, networking, and database management. Gained hands-on experience through Java-based projects and IoT applications, bridging hardware and software development.

Bachelor of Technology in Electrical Engineering, Kakatiya University

<div align="right">Aug '09 — May '13
Warangal, Telangana, India</div>

- Built a solid foundation in electrical systems, programming, and applied mathematics, with a strong emphasis on analytical problem solving and system modeling.

CERTIFICATIONS

AWS Certified Cloud Practitioner

AWS Certified Developer Associate DVA-C02

AWS Certified Solutions Architect - Associate SAA-C03

HashiCorp Certified: Terraform Associate (004)

SKILLS

Languages & Frameworks   Java/J2EE, Hibernate, Spring Boot, Python, SQL, Pyspark, Mockito, Shell

Architecture & Design   Microservices, RESTful API design, Event-Driven Systems, 12-Factor App Principles, Distributed Systems

Messaging & Data Streaming   Apache Kafka, Flink, RabbitMQ, Redis, PostgreSQL, Cassandra, AWS Aurora

Cloud & Infrastructure   AWS (Glue, IAM, Lambda, ECS, EKS, S3, RDS, API Gateway), Docker, Kubernetes, Terraform, Pivotal Cloud Foundry (PCF)

Monitoring & Logging   Datadog, AWS CloudWatch, Prometheus, Dynatrace, Splunk, Grafana, ELK

DevOps & CI/CD   Jenkins, GitHub Actions, Maven, Spinnaker