Ankit Verma

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Education

Nirma University **Sept 2022 – May 2024**
Master of Computer Applications (MCA) *Ahmedabad, Gujarat*

GLS University **June 2019 – May 2022**
Bachelor of Computer Applications (BCA) *Ahmedabad, Gujarat*

Professional Experience

Infor India Pvt. Ltd. **Oct, 2024 – Oct, 2025**
Software Engineer *Ahmedabad, Gujarat*

- Architected event-driven microservices using Java, Spring Boot, and Apache Kafka, processing 10+ million events daily with 99.9% reliability and implementing automated monitoring and alerting systems.
- Built serverless automation workflows using AWS services for operational monitoring, implementing self-healing mechanisms and proactive alerting to minimize downtime and ensure system stability.
- Designed and implemented GraphQL and RESTful APIs for real-time data pipeline configuration, collaborating with cross-functional teams including frontend and analytics teams in Agile/Scrum environment.
- Strengthened application security by integrating AWS Secret Manager for credential management and implementing compliance tracking with SOC 2 standards, reducing security vulnerabilities by 40%.
- Developed automated deployment pipelines and operational runbooks using GitLab CI/CD, enabling hands-off support routines and reducing deployment time by 50%.
- Implemented robust error handling and retry logic for distributed services, optimizing data throughput and system stability for high-scale event processing.

BridgeHealth Care Pvt. Ltd. **Dec, 2023 – May, 2024**
Full-Stack Developer Intern *Chennai, Tamil Nadu*

- Engineered frontend and backend integration using Kotlin, TypeScript, and RESTful APIs with caching strategies that reduced API latency by 60% and improved application performance by 45%.
- Built real-time communication features using modern JavaScript protocols for video call functionality, implementing event tracking and user activity monitoring across the telemedicine platform.
- Developed automation scripts for data synchronization and local storage management, ensuring seamless connectivity between medical devices and cloud services.
- Collaborated with product and engineering teams to optimize frontend performance and implement monitoring solutions for tracking user interactions and system health.

Technical Projects

Data Transformation Engine (DTE) | *Java, Spring Boot, Kafka, GraphQL, PostgreSQL, Docker* **Mar, 2025 – Oct, 2025**

- Architected enterprise ETL modules using event-driven architecture with Apache Kafka, implementing automated deployment and monitoring for processing 10M+ records daily.
- Followed Test-Driven Development (TDD) practices, achieving 85%+ code coverage with JUnit and Mockito, reducing production defects by 70% through comprehensive testing.
- Designed GraphQL APIs for metadata microservice with real-time event updates, enabling dynamic pipeline configuration and reducing setup time by 40%.
- Implemented CI/CD pipelines using Docker and GitLab for automated testing, deployment, and operational monitoring.

Real-Time Event Processing Platform | *Python, AWS Lambda, SQS, MongoDB, CloudWatch* **Aug, 2025 – Sept, 2025**

- Developed serverless event delivery pipeline using AWS Lambda (Python) and SQS for high-throughput message processing, handling 100K+ events per second with sub-second latency.
- Implemented automated monitoring and alerting using AWS CloudWatch, creating self-healing mechanisms for failure recovery and minimizing manual intervention during off-hours.
- Built scalable data ingestion layer with MongoDB for real-time analytics, implementing efficient indexing strategies and optimizing query performance for event-tracking flows.
- Designed robust retry logic and error handling patterns for distributed event processing, achieving 99.9% delivery success rate and automated failure recovery.
- Created comprehensive operational runbooks and documentation for incident response, enabling smooth handoffs across time zones and supporting PST operations.

Payment Processing Simulator | *Java, Spring Boot, Kafka, Redis, PostgreSQL* **Jun, 2025**

- Developed high-performance payment processor using event-driven architecture, handling 100K+ TPS with sub-second latency using Kafka message queuing.
- Built distributed caching layer with Redis for session management, reducing database load by 65% and improving API response times for real-time transactions.
- Implemented automated monitoring and alerting for transaction failures, creating self-healing mechanisms for payment validation and processing workflows.
- Designed scalable RESTful APIs with rate limiting and fraud detection patterns for secure, reliable transaction processing.

Technical Skills & Certifications

Backend Development: Python, Java, J2EE, JavaScript/TypeScript, Node.js
Cloud & Serverless: AWS (Lambda, SQS, CloudWatch, Secret Manager), Serverless Architecture, Event-Driven Systems
Databases & Caching: MongoDB, PostgreSQL, MySQL, Redis, BigQuery (familiar), SQLite
Message Queues & Streaming: Apache Kafka, RabbitMQ, AWS SQS, Event Sourcing
Frontend Technologies: JavaScript, TypeScript, React (familiar), Chrome Extensions (learning)
Frameworks: Spring Boot, Spring Security, GraphQL, RESTful APIs, Hibernate/JPA, Microservices
DevOps & Automation: Docker, GitLab CI/CD, GitHub Actions, Automation Scripts, Linux/Unix, Git
Testing & Quality: Test-Driven Development (TDD), JUnit, TestNG, Mockito, Integration Testing
Monitoring & Observability: AWS CloudWatch, Logging, Alerting, Performance Monitoring
Methodologies: Agile/Scrum, TDD, CI/CD, Code Reviews, Operational Excellence
Certifications: Goldman Sachs Software Engineering Virtual Experience, JP Morgan Software Engineering & Agile Virtual Experience, Intel Cloud Pricing & Financial Operations, Accenture AI Fundamentals

Certifications

Goldman Sachs Software Engineering Virtual Experience | JP Morgan Software Engineering & Agile Virtual Experience | Intel Cloud Pricing & Financial Operations | Accenture AI Fundamentals

Additional Information

Availability: Flexible for night shift IST / daytime PST support
Work Style: Proactive ownership, minimal supervision required, strong problem-solving in distributed systems
Passion: Automation, reliability engineering, continuous delivery, and operational excellence