

Akhil Ganji | Software Development Engineer

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SUMMARY

Software Development Engineer with **5+ years of experience** building full-stack and backend applications using Java, Spring Boot, Node.js, Python, React, AWS, and Azure. Improved system performance by 35%, decreased deployment cycles by 50%, and enhanced code quality through mechanized testing. Led development and collaborated with cross-functional Agile teams to deliver scalable, secure software solutions. Experienced in microservices, REST/GraphQL APIs, event-driven systems, and CI/CD automation for mission-critical applications.

TECHNICAL SKILLS

Programming Languages: Java, Python, C++, C#, JavaScript (ES6+), TypeScript, Go, SQL

Frameworks & Libraries: Spring Boot, .NET Core, Node.js, Express.js, React, Angular, Django, Flask

Cloud & DevOps: AWS (EC2, Lambda, S3, RDS), Azure, Google Cloud, Docker, Kubernetes, Jenkins, GitHub Actions, Terraform, CI/CD Automation

Databases: MySQL, PostgreSQL, MongoDB, Oracle, DynamoDB, Redis

Software Engineering & Architecture: Object-Oriented Programming (OOP), Data Structures & Algorithms, Microservices, API Design, System Design, Distributed Systems, Event-Driven Architecture, Design Patterns, SDLC, Agile/Scrum

Testing & Quality Engineering: JUnit, Mockito, TestNG, Selenium, PyTest, Postman, Unit & Integration Testing, Test Automation

System Design & Optimization: Scalable Architecture, Caching, Load Balancing, Multithreading, Performance Tuning, Fault Tolerance

Messaging & Integration: Apache Kafka, RabbitMQ, REST, GraphQL, gRPC

Build & Deployment: Maven, Gradle, NPM, Webpack, Swagger

Security: OAuth2, JWT, IAM, Secure Coding Practices, Encryption, API Security

Collaboration & Tools: Git, GitHub, GitLab, Bitbucket, Jira, Confluence

Professional Competencies: Analytical Thinking, Problem Solving, Debugging, Code Optimization, Collaboration, Adaptability, Continuous Learning

PROFESSIONAL EXPERIENCE

Cigna, MO, USA

Apr 2025 - Current

Software Development Engineer

- Heightened claim processing throughput by 30% through optimized Spring Boot microservices and AWS Lambda, S3, RDS integration.
- Lessened frontend load time by 25% by refactoring React and Angular components and optimizing API calls.
- Accelerated deployment cycles by 50% with Jenkins, GitHub Actions, Docker, and Kubernetes automation.
- Achieved 85% computerized test coverage, reducing post-release defects by 40% across backend and frontend services.
- Migrated legacy services to microservices architecture, improving scalability and reducing system downtime by 20%.
- Delivered high-priority feature releases two weeks ahead of schedule through Agile sprint optimization and cross-team coordination.

Cognizant, India

Mar 2020 - Aug 2023

Software Developer

- Lowered database query latency by 35% using PostgreSQL/MySQL optimizations and Redis caching strategies.
- Amplified transaction throughput by 20% through distributed backend services in Node.js and Django.
- Enhanced system reliability by 25% using event-driven architecture with Apache Kafka and RabbitMQ.
- Secured APIs and sensitive data using OAuth2 and JWT, ensuring full compliance with role-based access controls.
- Implemented cross-team code reviews, reducing development rework by 30% and improving software maintainability.
- Streamlined data processing pipelines, decreasing processing time for high-volume operations by 15%.

DXC Technology, India

Mar 2019 - Feb 2020

Software Engineer

- Improved code maintainability and modularity by applying OOP principles and design patterns in Java, Python, and C++.
- Integrated REST, gRPC, and GraphQL APIs to enable seamless real-time data exchange across multiple systems.
- Reduced deployment errors by 40% using Terraform to automate AWS and Azure infrastructure provisioning.
- Escalated release stability by 35% through systematized testing with JUnit, Mockito, and Selenium.
- Optimized distributed systems with multithreading and event-driven design, improving performance by 20%.
- Contributed to system architecture design, improving fault tolerance, scalability, and long-term operational efficiency.

EDUCATION

Master of Science in Information Technology Management

Aug 2025

Webster University, Saint Louis, Missouri, USA

CERTIFICATION

Certified Junior Software Developer - Amazon | Rest API - HackerRank

PROJECTS

- Nova Reserve - Booking Platform:** Developed a full-stack restaurant reservation system using Spring Boot, WebSockets, PostgreSQL, and React.js, enabling real-time bookings and handling 10,000+ concurrent users with low latency.
- Culina Serve - Recipe Portal:** Engineered a cloud-deployed Spring Boot portal with MQTT, Timescale DB, AWS, and ML-based recommendations, processing 1M+ queries monthly while ensuring scalable, reliable, and personalized user experiences.
- Task Forge - Productivity Suite:** Built a Java and Spring Boot productivity suite with REST APIs, MySQL, and AWS deployment, improving team task tracking efficiency by 25% and enabling seamless collaboration.