

AKHIL BHATIA

Backend Engineer • Java • Spring Boot • AWS

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SUMMARY

Backend Engineer (10+ years) specializing in scalable distributed systems using Java, Spring Boot, and AWS. Expertise in LLM/AI-driven solutions, cloud-native architectures, and performance optimization. Strong background in system design, API development, and leading high-impact engineering projects.

TECHNICAL EXPERTISE

- **Programming & Data Structures:** Java (Expert), Python, JavaScript, Data Structures, Algorithms, Design Patterns
- **ML Infrastructure:** Model deployment, evaluation, optimization, LLM integration, ML pipelines, performance debugging
- **Cloud Platforms:** AWS (S3, ECS, Lambda, ALB, Batch), Infrastructure as Code
- **AI & ML:** LLMs (GPT, Claude), Galileo AI, Amazon Q, ML
- **Backend Systems:** Spring Boot, Spring MVC, JPA, Microservices, Distributed Systems, GraphQL, REST APIs
- **Databases & Storage:** SQL Server, MySQL, Oracle, Redis, Kafka, IBM MQ, Large-scale data processing
- **DevOps & Monitoring:** Jenkins, Bamboo, Git, Maven, Gradle, Performance Profiling, System Debugging, New Relic

PROFESSIONAL EXPERIENCE

Lead Engineer

April 2025 - Present

GenAquarius, Noida

Project: Edtech Client

- Lead full-stack development of ML-powered activity and assignment workflows using Java, Spring Boot, AWS, and React.
- Architected and implemented LMS integration framework (Canvas, Schoology etc.) for automated user onboarding, enabling single sign-on (SSO).

Senior Software Engineer

July 2023 - April 2025

Chegg, Delhi

Project: Enterprise Content Quality Systems

- Architected Quality Workbench platform integrating multiple LLMs for automated quality assessment, achieving 10% cost reduction and 25% performance improvement
- Lead backend development for content moderation and review workflows using GraphQL, Spring Boot, and AWS microservices architecture.
- Integrate ML models and LLM capabilities for automated content moderation and review.
- Led technical reviews and code quality initiatives across a 5-member engineering team

- Conducted root cause analysis and performance profiling for ML workloads, reducing inference latency by 30%
- Managed full software lifecycle from development to production deployment and post-launch monitoring

Senior Software Engineer

November 2021 - July 2023

Cvent, Gurgaon

Senior Analyst Programmer

April 2019 - November 2021

Fidelity International, Gurgaon

Software Engineer

July 2018 - February 2019

Cashify, Gurgaon

Software Engineer

June 2016 - July 2018

Aricent Technologies, Gurgaon

Project Associate

November 2015 - May 2015

IIT, Kanpur

EDUCATION & CERTIFICATIONS

Ph.D. (Part-Time)

2021 - 2025 (Dropped)

IIT, Jodhpur

Research Focus: Edge Computing

M.Tech in Computer Science (Part-Time)

2017 - 2020

IIT(ISM), Dhanbad

Specialization: Distributed Systems, Algorithm Design

B.Tech in Information Technology

2011 - 2015

PSIT, Kanpur

Professional Certifications

- AWS Certified Developer - Associate
- AWS Certified Solutions Architect - Associate
- AWS Certified AI Practitioner

PUBLICATIONS & RESEARCH

- "A Sentiment Analysis-Based Recommender Framework for Massive Open Online Courses Toward Education 4.0" - Springer, Singapore, 2023
- "A Review on Crowdsourcing Models in Different Sectors" - Proceedings of IC4S 2019, Springer, Singapore, 2020