AKHIL BHATIA

Backend Engineer

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SUMMARY

Results-driven Backend Engineer with over 8+ years of expertise in designing and scaling distributed systems using Java/Spring/JPA/AWS stacks. Demonstrated track record in working with different ML/LLM initiatives, including end-to-end architecture design and seamless integration of data science models into production environments. Strong background in technical leadership, including team management, mentoring, and architectural design.

TECHNICAL EXPERTISE

- **Core Engineering:** Java (Expert), Spring Boot, Spring MVC, JPA, Design Patterns, Distributed Systems, Microservices Architecture

- **Frontend:** React, JavaScript

- **AI & ML:** LLMs (GPT, Claude), Galileo AI, LangSmith, Prompt Engineering, Amazon Q, ML Pipelines

- **Cloud:** AWS (S3, ECS, Lambda, ELB, Batch), Cloud Foundry, Docker

- **Databases & Messaging:** SQL Server, MySQL, Oracle, Redis, Kafka, IBM MQ

- **Tools:** Maven, Gradle, Git, Jenkins, Bamboo, Postman

- **Development Practices:** System Design, API Design (REST, GraphQL), CI/CD, Test-Driven Development, Agile Methodologies

- **Performance:** Profiling, Optimization, Scalability, Monitoring (New Relic)

PROFESSIONAL EXPERIENCE

Senior Software Engineer   *July 2023 - Present*
Chegg, Delhi
Project: Enterprise Content Quality Systems

- Architected Quality Workbench platform integrating multiple LLMs for quality assessment, achieving 10% cost reduction.
- 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 reviews
- Drive technical documentation and release management processes
- Analysis of various tools and technologies for enhancing systems based on large language models (LLMs).

Senior Software Engineer   *November 2021 - July 2023*
Cvent, Gurgaon
Project: Phoenix-Hospitality Cloud

- Participated in requirements breakdown, design preparation, and review processes
- Built backend functionalities using Dropwizard following API specifications, including GraphQL schema design

- Led task assignments and provided technical guidance to team members
- Frontend development using React, and Typescript based on Figma designs.

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 2016*
IIT, Kanpur

EDUCATION & CERTIFICATIONS

Ph.D. (Part-Time)   *2021 - Present*
IIT, Jodhpur
Research Focus: Edge Computing

M.Tech in Computer Science   *2017 - 2020*
IIT(ISM), Dhanbad

B.Tech in Information Technology   *2011 - 2015*
PSIT, Kanpur

AWS Certifications

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

PUBLICATIONS

- "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