Akhil Gupta

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Dynamic Engineering Lead and Manager with years of experience leading cross-functional teams in designing, developing, and deploying innovative engineering solutions with proven proficiency in Distributed Architecture and scalable Solutions

Education

National Institute of Technology, Srinagar

Work Experience

Lead Engineer • OpenText

- Managed and Lead a team of 8 Engineers for the end-to-end development and testing of the SaaS product.
- Cross-functional teams, including Business and Design, define and deliver the product roadmap, ensuring seamless integration of CI/CD pipelines using GitHub, Jenkins and AWS.
- Developed and integrated a **vector embedding service** for data pipeline with Kafka, transforms data into vectors thus improving the sentimental analysis.
- Ensured development of data-pipeline build on Spring Boot Application , Microservices, Java17**.**
- **Tech Stack:** SpringBoot4, Postgres, AWS RDS, AWS ECS, AWS Parameter-Store, JWT Authentication, Camunda Service
- **Domain:** eDiscovery, EDRM

Software Engineer •   IBM (India Software Labs)

- Managed data pipeline eDiscovery service for WKC in India. Managed a team of total 10 people.
- Leveraged Prompt AI library, along with Mistral, to run LLM models on-premises
- Increased customer satisfaction by 25% and optimizing post-deployment support request by about 60%
- Designed technology roadmap for a Catalog service in collaboration with products using Event driven Architecture.
- Enhanced data consistency by 70%, across the Consumer downstream services in data lineage flow.
- Implemented an under-deduplication strategy, resulting in cost savings in both resources and infrastructure during the product phase.
- Developed the main GraphQL api backend and microservices to ingest, process and display data and insights using Spring Boot.
- Go Concurrency is implemented in the data ingestion phase, thus, improving the failure ratio 40%.
- Developed and deployed the Watson Search Service, a recommender system using REST and Cloudant DB and ELK Stack
- Provided support to resolve issues in the released product version.
- Resolved critical customer blockers, back-porting product releases and addressing queries for the on-premises SOA-based product.
- **Tech Stack**: Java8, Spring Boot, Kafka Messaging, Apache Avro ELK Stack, Machine Learning using Scikit-learn, OpenShift, Event Sourcing, Microservices Design Patterns, Go , GraphQL, DB2, Mistral LLM model for Prompt Engineering
- **Domain:** Data Governance, Data Lineage

Consultant • ADP

- Implemented design patterns in existing systems to enhance scalability and extensibility, positioning them as a potential platform for an upcoming HRM product.
- **Tech Stack:** Java8, OOPs Design Patterns.
- **Domain :** HRM

Senior Development Engineer • Pramati Technologies

- Developed request-driven microservices and implemented resiliency patterns for data procurement, data analytics.
- Worked on feature development for the Low-Code platform using Java.
- Developed on features for WaveMaker and Implemented Design Patterns in Java implementation
- **Tech Stack:** Java 8, AngularJS, Apache Cassandra, Docker Containerization, Ansible, AWS ec2
- **Domain:** Data Analytics

Development Engineer • eGain Communications

- Worked on HTML, CSS, JQuery, BootStrap for Knowledge Management product as Front End Developer.

Systems Engineer • TCS

- Development and enhancements for the web Application using Spring Framework, JavaScript and CSS.
- Spring framework and Optimized code implementations using more suitable java APIs and are responsible for peer Code Reviews

Skills

Project Management: Extensive experience in Agile methodologies, project scoping, timeline management, and resource allocation ● Collaborate with product management to dene project scope, timelines, and resource allocation ● Mentor junior engineers through regular feedback sessions and professional development plans

Team Leadership: Manage teams of software engineers, focusing on software development processes and culture.

Technical Proficiency : Involved in code reviews, software architecture design, ensuring scalability, maintainability, and performance of software products. ● Process Improvement: Focus on agile methodologies (Scrum-Ceremonies), continuous integration/continuous deployment (CI/CD), and improving software delivery pipelines.

● Java 17, ● GoLang, Spring Boot, event-driven architectures (Kafka Streams), Kubernetes, JUnit, and Mockito, Data pipeline ● NoSQL Databases. ● Deployment with Docker Containers, Kubernetes, (CI/CD)Jenkins pipelines ● JIRA, Confluence ● Spring AI, Machine Learning using Scikit-learn ● Elastic Search ● Logstash ● Helm Charts. ● AWS ● Apache Avro ● Spring AI ● Vector Embedding ● Vector Database

WorkExperience

● OpenText: Feb,24 - Sept,24
● IBM(Labs) Feb,17-Feb,24
● ADP May,16-Feb,17
● Pramati Technologies Jan,13-May,16
● eGainCommunications Mar,12-Jan,13
● TCS Oct,08-Mar,12

Blogs

- **Blog:** https://deduceblog.wordpress.com/
- https://github.com/akkhil2024