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Deepak K
Engineering Manager

Experienced Engineering Director with over 16 years of expertise in designing and developing customer-centric financial technology products. Proven leadership in cloud solutions, big data streaming platforms, scalable system architecture, and software development lifecycle automation. Skilled in driving innovation and delivering high-performance, low-latency systems for financial institutions.

Educational Qualification:

Master of Technology (M.Tech) in Computer Science & Engineering – Indian Institute of Technology, Kanpur (2005-2007)

Technical Skills

Languages: Java, Scala, Python, C#

Big Data & Distributed Systems: Apache Kafka, Apache Storm, Apache Flink, Apache Cassandra, Elasticsearch, OpenSearch, Apache Ignite, NoSQL Databases

Frameworks & Tools: Hibernate, Spring Boot, Docker, Kubernetes, Microservices

Cloud Platforms: AWS

Development & Deployment: Continuous Deployment, Scalable System Design, High Throughput Systems

SLC & Agile Practices: Agile, Scrum, Build Automation, Code Reviews, Security Vulnerability Analysis, Defect Reviews

Expertise

CBig Data Streaming Platforms: Extensive experience in architecting and developing big data streaming analytics platforms for financial institutions, focusing on real-time and batch processing solutions.

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Software Architecture & System Design: Expertise in designing scalable, low-latency systems for large-scale applications using distributed systems architecture.

Cloud Solutions & Microservices: Led the design and deployment of microservices-based architectures in cloud environments like AWS, with expertise in Docker and Kubernetes for container orchestration.

Leadership & Team Management: Proven track record in leading geo-distributed teams, providing technical direction, and mentoring individuals to foster growth and innovation.

Innovation & Automation: Spearheaded efforts in automating software lifecycle processes, ensuring performance testing, security vulnerability management, and build automation.

Work Experience:

Principal Engineer (Aug 2023 – Jan 2024):
- Led the development of a big data streaming analytics platform for financial institutions, providing technical guidance and future strategy to a global team of 15+ members.
- Architected product features and managed design and implementation processes.
- Mentored and coached junior team members.

Director (Dec 2021 – Aug 2023):
- Led a team of 4 in developing a big data analytics platform, providing technical leadership and shaping future strategies.-
- Managed feature design, implementation, and team mentoring to drive innovation and delivery.

Senior Manager (Dec 2017 – Dec 2021):
- Led the design and development of new product features for a big data analytics platform, providing technical guidance to a team of 4.
- Contributed to overall system design and helped foster team growth and technical proficiency.

Lead Engineer (Dec 2013 – Dec 2017):
- Managed a team of engineers developing new features for a big data streaming platform and web applications used by financial institutions.
- Delivered key features using Java and the Spring framework.

Software Engineer (Nov 2009 – Dec 2013):

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- **Software Engineer (Nov 2009 – Dec 2013):**
- Implemented new features in web application-based products for financial institutions, focusing on ETL and real-time solutions using Java and Spring framework.

Software Engineer (Jul 2007 – Nov 2009):
- Developed middleware applications for ETL and real-time solutions, utilizing C# and .NET frameworks for financial and healthcare data providers