

Adnan Shamir Ahmed

Engineering Manager | Generative AI & Enterprise Platforms

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SUMMARY

Engineering Manager with 12+ years building and leading teams that deliver AI-powered platforms and large-scale enterprise applications for global clients including Walmart, Tata, and Schneider Electric. Hands-on with generative AI (OpenAI, Anthropic Claude), having taken AI agents and automation solutions from concept to production. Proven record of leading teams of 10+ engineers, architecting Java-based microservices, and partnering with business stakeholders to turn requirements into scalable, secure systems.

CORE SKILLS

Leadership: Engineering management · Team building & mentoring · Agile delivery · Stakeholder management · Cross-functional collaboration

Generative AI: OpenAI APIs · Anthropic Claude · AI agents · Prompt engineering · Intelligent workflow automation

Engineering: Java Full Stack · Spring · REST APIs · Microservices · SQL & database integration · CI/CD · Web, Android & iOS delivery

WORK EXPERIENCE

Engineering Manager — TCS (Client: Walmart)

Jan 2024 – Present

- Lead engineering for Walmart warehouse-automation initiatives, delivering AI-powered solutions that streamline operations and reduce manual effort across business processes.
- Shipped AI customer-support agents built on OpenAI APIs, automating support workflows end to end and improving response quality and user experience.
- Designed and delivered an Anthropic Claude-powered dashboard providing AI-assisted insights, workflow automation, and business intelligence to operations teams.
- Own backend architecture across Java microservices, REST APIs, and database integrations, taking features from design through secure production deployment.

Lead Software Engineer — TCS (Board Meeting Platform, Tata)

Sep 2021 – Dec 2023

- Led a team of 10+ engineers to build an enterprise board-meeting management platform for Tata, shipping a seamless experience across web, Android, and iOS.
- Architected scalable Java Full Stack services using modern frameworks, REST APIs, and enterprise integration patterns.
- Automated board-meeting workflows end to end — document management, approvals, notifications, and compliance — cutting manual coordination for executive stakeholders.
- Raised engineering quality through code reviews, CI/CD pipelines, Agile practices, and structured mentoring of the team.

Senior Software Engineer — Cognizant (Client: Schneider Electric)

Jul 2016 – Sep 2021

- Led design and development of an enterprise platform managing the full purchase-order, delivery, and maintenance lifecycle of Schneider Electric products and services.
- Built secure REST APIs and enterprise integrations enabling seamless data exchange across procurement, service-request, and asset-maintenance systems.
- Delivered workflow automation that improved operational efficiency and streamlined end-to-end business processes for cross-functional stakeholders.

Software Engineer — Muraai (Client: Sterlite Technologies)

Jan 2014 – Jun 2016

- Developed an enterprise platform covering procurement, delivery, inventory, and maintenance lifecycles for Sterlite Technologies products.
- Built Java Full Stack applications and RESTful APIs integrating ERP, supply-chain, and business systems; automated vendor management, asset tracking, and inventory workflows.

EDUCATION

Master of Computer Applications — R.V. College of Engineering

2013

Bachelor of Computer Applications — Presidency College

2010