

Asutosh Nayak

SDE III - Tech Lead

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Profile

- 13 years' experience in both frontend and backend technologies providing a strong foundation for leading or managing a large team.
- Strong understanding of AI and ML algorithms.
- Experience in best development practices and AI assisted coding for faster delivery.
- Proven expertise in developing complex systems.
- Coordinating with cross-functional teams and business heads.

Employment History

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| SDE III - Lead, Jio Platforms Limited | 07/2022 – Present
Bengaluru |
| <ul style="list-style-type: none">• Led a team of developers and developed real-time, event-based Commission Engine which resulted 30% increase in sales.• Mentored a team of 6 developers to ensure adherence to best practices, vulnerability management with Harbor & Sonar.• Architecting an Agentic AI chatbot for Reliance Digital.• Architected & developed Android app with common code for very large screen to handheld device screens using CoordinatorLayout which resulted in 30% effort reduction.• Developed an Android AR library to enhance user experience.• Implemented structured methodologies and streamlined processes to enhance release cycle efficiency.• Developed a Kiosk Application end to end with FE in Android and Spring Boot Backend. | |
| Tech Lead, Byju's | 04/2021 – 07/2022
Bengaluru |
| <ul style="list-style-type: none">• Implemented unit test driven development which reduced bug counts of team by 40% and personal bug count of < 4.• Enhanced application security by integrating Google Safety Net and other protocols to protect user data and mitigate vulnerabilities.• Earned a promotion to Lead Engineer within a year, demonstrating exceptional technical expertise, leadership, and consistent achievement of key performance indicators (KPIs).• Conducted code reviews and team mentoring. | |
| Senior Software Engineer, Happay (Acquired by Cred) | 03/2016 – 04/2021
Bengaluru |
| <ul style="list-style-type: none">• Designed and implemented a GPS tracking system that tracked coordinates offline over 1000 kilometers.• Engaged with stakeholders and users to address requirements and pain points and created a custom algorithm to filter GPS fluctuations using SnapToRoad.• Developed a feature to automatically parse bank transaction messages, capturing expense details for digital reimbursement, eliminating manual data entry. | |
| Consultant, Capgemini | 06/2013 – 03/2016
India, Bengaluru |

Education

B. Tech in Computer Science, *Indira Gandhi Institute of Technology*

08/2009 – 07/2013

Skills

- Spring Boot
- Kubernetes
- Java
- Microservices
- Redis
- MySQL
- Cron
- Docker
- Async & Multithreading
- PyTorch
- Ollama
- Architecture Design
- Git
- Kafka
- Android
- Kotlin
- Event driven
- Postgres
- MongoDB
- Google Cloud
- Python
- Machine Learning
- SKLearn
- LangGraph
- System Design

Certifications & Rewards

Stanford Course on Machine Learning

<https://www.coursera.org/account/accomplishments/certificate/G6LQNEGP BFE2>

Byju's TechX Award

Happay - Top Performer Award

Personal Projects

Nexus Local, *Nexus-Local is a privacy-first, hybrid AI Desktop Application that unifies Open Web Search and Local Knowledge Retrieval. Unlike cloud-based tools, Nexus runs entirely on your machine. It uses a stateful graph architecture (LangGraph) to intelligently route user intent, retrieve information from the best source (Web vs. Local), and synthesize answers using a local LLM.*

<https://github.com/nayash/nexus-local>

Smart Launcher,

App to predict the next likely app to be used by the device owner and render it on the home screen.

<https://asutoshnayak.medium.com/building-android-smart-launcher-with-machine-learning-1100ee01d75b>

Stock Price Analysis Using AI,

Implemented a research paper to convert time-series data to Image and predict stock price.

<https://towardsdatascience.com/stock-market-action-prediction-with-convnet-8689238feae3>