



VANSHITA AGARWAL

Engineering Lead | Remote

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Professional Summary

Engineering Lead with 4+ years of experience driving mobile and web product development across Flutter, MERN stack, and AI/ML solutions. Proven record of leading 15–20 member teams, architecting scalable systems, and consistently delivering high-performing apps on time. Skilled in performance optimization, API design, caching strategies, and mentoring developers for technical and delivery excellence.

Core Skills

Flutter, Dart, Firebase, REST APIs, AWS, GraphQL, React, Node.js, Express, MongoDB, MySQL Architecture Design, Performance Optimization, AI/ML Integration, CI/CD, Code Reviews, Mentorship, Sprint Planning, Cross-functional Leadership

Professional Experience

Finoux Services Pvt. Ltd / *Senior Software Engineer → Lead Engineer* / Feb 2023 – Present

- Promoted to Lead Engineer after consistent delivery and technical ownership across major Flutter and web initiatives.
- Led a 15–20 member engineering team, delivering 2–3 app releases per quarter with 100% on-time delivery.
- Owned and scaled key modules including onboarding, payments, and real-time data feeds.
- Implemented caching (Memcached + frontend) and optimized APIs, improving overall app performance by 80%.
- Architected modular Flutter solutions and CI/CD pipelines, cutting release cycles by 25% and reducing tech debt by 30%.
- Optimized real-time data streaming with API batching, reducing latency by 45%.
- Enabled data-driven debugging and monitoring to resolve production issues 40% faster.
- Mentored junior developers, introduced code review practices, and streamlined QA-release collaboration.
- Drove product stability and growth — app downloads rose from 2.9K to 87K in one year.

Daydreamsoft Infotech LLP / *Senior Flutter Developer & Team Lead* / Dec 2021 – Jan 2023

- Directed end-to-end Flutter app development for multiple clients, 55+ successful deliveries across mobile and web.
- Managed and coordinated with 47+ clients and internal UI design teams to align technical execution with design intent.
- Supported developers across Flutter, React Native, MEAN/MERN Stack, Python, and Unity, guiding them through debugging and architectural problem solving.

- Created and enforced coding standards and delivery workflows, improving sprint velocity by 20% and reducing blocker resolution time.
- Developed reusable UI components and implemented responsive, scalable design patterns for consistent app quality.

KrsikX India LLP | *Junior IT Engineer & Team Lead* | May 2021 – Oct 2021

- Managed small dev team; built and deployed 3 mobile apps ensuring responsive UX.
- Designed UI prototypes in Adobe XD and coordinated frontend implementation.
- Trained and deployed a machine learning model for plant disease detection, improving prediction accuracy and automating diagnosis workflows.

MSquare Technologies | *PHP Developer* | Apr 2020 – May 2020

- Developed backend modules using Laravel and supported early-stage app backend development.

Key Projects

- **[Al Ramz Capital](#)**: Led architecture optimization; implemented API caching and socket management to achieve 80% faster response times and stable real-time feeds.
- **[MO RIISE \(Motilal Oswal\)](#)**: Led development of mutual funds and payment modules, refactored legacy code for scalability, and enhanced module load performance by 25%.
- **[Luxurati Marketplace](#)**: Built a fast, SEO-optimized frontend for a luxury car marketplace, boosting organic visibility and load speed by 30%.
- **AI/ML Integrations**: Delivered production-grade, optimized ML models enabling predictive automation and data-driven decisions.

Education

MBA in Finance & Marketing | Jain (Deemed-to-be) University

Jul 2023 – Jul 2025 | CGPA: 9.20

B.Tech. in Computer Science & Technology | Charotar University of Science & Technology

Jul 2018 – Jul 2022 | CGPA: 9.43

Certifications

Flutter Development Bootcamp (Udemy) | Data Science Bootcamp (Udemy) | Deep Learning Applications (Gujcost) | Entrepreneurship Bootcamp (IIT Kanpur) | Java & Python (NPTEL)

Awards & Highlights

- Appreciation Award for Team Leadership – Daydreamsoft (2023)
- Best Business Idea & Debate Winner – Charusat University (2020)
- Recognized for consistent delivery excellence and creative problem solving in cross-team initiatives.