

Rakesh Androtula

Senior Engineering Manager - Product

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Summary

Visionary Engineering Leader with 20+ years of experience architecting and delivering scalable, high-performance mobile and web applications and consumer-facing platforms. Led Product engineering for direct-to-consumer **mobile** and **web** product with **8M+** active users, driving usability, performance, and cross-platform consistency. Spearheaded the launch of **Gen AI-powered Virtual Assistant**, reducing **600K+** monthly customer care calls, enhancing user experience, and freeing support bandwidth. Hands-on and deep expertise in **frontend architecture**, **MVC patterns**, and scalable UI design. Proven track record of mentoring engineers, fostering innovation, and collaborating with UX and product teams to deliver intuitive, delightful experiences. Adept at balancing technical depth with **strategic leadership** in fast-paced environments.

Key Accomplishments

Product Scale & Ownership: Led engineering for direct-to-consumer mobile and web product with 8M+ active users, ensuring performance, usability, and scalability.

Gen AI Transformation: Introduced and scaled Virtual Assistant, reducing 600K+ monthly customer care calls, streamlining support operations, and accelerating digital engagement.

Organizational Growth: Built and mentored two autonomous domain teams of 30 associates and helped in scaling engineering from 5 to 60+ members.

Frontend Leadership: Architected **Angular & React** based applications with strong **MVC patterns**, responsive design, and scalable UI components.

Cloud Optimization: Migrated EC2 workloads to EKS & ECS Fargate, reducing cloud spend by 15% while improving reliability.

Cross-Functional Alignment: Partnered with product and UX teams to translate business goals into technical roadmaps and OKRs.

Work Experience

Engineering Manager | Experian | May 2024 - Present | Hyderabad (GIC)

- Collaborated with **executive leadership** and product teams to drive **strategic planning** and translate business objectives into actionable engineering roadmaps and OKRs.
- Led engineering teams for a direct-to-consumer product with **8M+** users, delivering scalable mobile & web applications, resolving architectural challenges, and optimizing deployment cadence.
- Spearheaded the implementation and roll out of **Virtual Assistant**, a Gen AI chatbot that reduced **600K+ monthly support calls**, improving operational efficiency and user satisfaction.
- Collaborated with **Product Managers** and **UX Designers** to translate business requirements into intuitive technical solutions.
- Contributed **reusable** components to a centralized **design kit**, enhancing consistency and accelerating development across modules.
- Mentored engineers, led **tech talks**, and fostered a culture of **ownership** and **continuous improvement**.
- Championed **A/B testing** and **analytics**-driven development to enhance user engagement.
- Streamlined development workflows and optimized **deployment** cadence.
- Mentored interns and **new hires**; collaborated with **recruitment teams** and participated in **college hiring** programs to attract high-potential engineering talent.
- Implementing ML-based personalization and Gen AI use cases for predictive user flows.

Engineering Manager | Outplay | May 2022 - Apr 2024 | Hyderabad

- Led the end-to-end development of a **multi-tenant SaaS** product of **1 million users**, ensuring alignment with strategic business objectives.
- Championed the adoption of a **modern microservices** and **event-driven architecture** with Kafka to improve system resilience and scalability.
- Delivered real-time transactional workloads with sub-second latency and reporting capabilities and external integrations that expanded the product's value proposition.
- Reduced trivial bug discovery by **30%** through the implementation of automated testing frameworks.
- Mentored a **40-member** team and established robust CI/CD pipelines, significantly improving development velocity.

Technical Architect | Coforge | Nov 2021 - May 2022 | Hyderabad

- Designed and architected an API-first, event-driven system for real-time transactions.
- Converted legacy ETL packages into scalable RESTful services using a modern architectural approach.
- Architected cloud-native solutions with forward-looking migration strategies

Project Lead / Solution Architect | Applied Info Services | Dec 2014 - Nov 2021 | Hyderabad

- Migrated legacy .NET applications to microservices and containerized them for deployment on Azure.
- Delivered enterprise-grade Azure PaaS solutions and developed mobile applications using Xamarin.
- Implemented workflow automation and alert systems using MS Teams to improve team communication and response times

Programmer Analyst | Franklin Templeton Investments | Dec 2014 - Nov 2021 | Hyderabad

- Developed scalable web applications using ASP.NET MVC and SQL Server
- Modernized legacy VB6 apps into .NET Windows applications
- Built notification systems for print order workflows

IT Engineer | CMC Ltd. | Aug 2006 - Dec 2014 | Hyderabad

- Developed Windows and Web applications using .NET framework.

Key Skills

Strategic Leadership: OKR Development & Execution, Team Building, Mentorship, Organizational Scaling, Budget & Resource Management, Stakeholder Communication

Technical Expertise: Cloud-Native Architecture (AWS, Azure), Microservices, Gen AI/ML, SaaS, APIs, CI/CD, Kubernetes, .NET Core, Golang, React, Angular, Dart, Flutter, Xamarin, Swift & Kotlin

Product & Operations: Agile Methodologies, Product-Led Growth, Analytics & A/B Testing, Release Management, Infrastructure Cost Optimization

Education & Certifications

B.Tech - Intell Engineering College, Affiliated to JNTU Hyderabad

Certifications:

- AZ-300: Microsoft Azure Architect Technologies
- 70-480: Programming in HTML5 with JavaScript and CSS3
- 70-486: Developing ASP.NET MVC Web Application