

PAVAN KUMAR PATRUNI

ENGINEERING LEADERSHIP

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ABOUT ME

Results-driven Senior Engineering Manager with 11+ years of experience leading high-performance squads across high-growth FinTech and HealthTech sectors. Expert in architecting distributed systems scaling to 30K+ RPM under strict <200ms SLAs. Skilled in aligning technical roadmaps with business OKRs, driving full-lifecycle product delivery, and scaling teams through robust engineering governance, structured mentorship, and AI-driven workflows.

EXPERIENCE

Senior Engineering Manager | Onsurity, Bengaluru

Aug 2025 - Present

- Managed 3 squads (18+ engineers) across Reliability and Product for HealthTech and Payment systems.
- Maintained p95 SLAs (~400ms) at 5K+ RPM via Java/Node.js tuning and cloud orchestration.
- Reduced incidents by 30% through full-stack observability and structured response protocols.
- Directed technical roadmaps and managed complex cross-squad dependencies, balancing high-velocity delivery with strategic debt reduction.
- Cut onboarding time by 40% by standardizing hiring rubrics and engineering excellence frameworks.
- Architected 10+ core domains including Payments, Billing, Cart, Order and wellness microservices.
- Owned performance reviews, goal setting, and career development for direct reports, promoted talent to leadership.
- Standardized API contracts and boundaries to ensure enterprise-scale modularity and scale.
- Hardened resilience using circuit breakers, rate limiting, and connection pooling safeguards.
- Partnered with Executives to align technical strategy with business OKRs and roadmaps.
- Spearheaded an infrastructure cost-optimization initiative, reducing annual cloud operational expenditure (OpEx) by ~\$10K through instances right-sizing, auto-scaling policy tuning, and decommissioning redundant tooling.

Engineering Manager | BharatPe, Gurgaon

May 2020 - Aug 2025

- Drove engineering excellence across architecture, delivery, and team development, establishing scalable processes that improved execution predictability and organizational efficiency.
- Scaled backend and mobile teams from 6 to 14 engineers during hyper-growth.
- Architected Java microservices and API boundaries sustaining 30K+ RPM at <200ms SLA.
- Reduced loan processing time by 30% via workflow optimization and service decoupling.
- Cut onboarding time by 40% by designing standardized interview rubrics and workflows.
- Orchestrated cross-team dependency management, aligning engineering roadmaps with business OKRs and compliance.
- Owned performance reviews, goal setting, and career growth for the team, mentored and elevated engineers to senior roles.
- Boosted production reliability through proactive monitoring, performance tuning, and secure coding.
- Managed full-lifecycle delivery of distributed systems from discovery to high-volume production.

Associate Technology Level 2 | Publicis Sapient, Gurgaon

Oct 2019 - Apr 2020

- Contributed to frontend development for Heathrow Airport Holdings using ReactJS, Redux, and modern web technologies.
- Delivered key features including global search, dynamic data views, and flight management functionality.
- Promoted modular, testable code practices to improve maintainability and team efficiency.
- Consistently delivered high-quality features under tight deadlines.

Senior Software Engineer | MiSport, Gurgaon

May 2017 - Sep 2019

- Built a real-time match-search engine supporting scorecards, ball-by-ball stats, video, and live streaming.
- Enhanced PVM+ with player modules, highlights, tagging systems, and rich media features.
- Contributed to video player, newsfeed, timeline, and podcast platforms with responsive multi-device support.
- Partnered with API teams to optimize performance and ensure seamless integrations.

Software Engineer | MagikMinds, Hyderabad

Apr 2015 - Apr 2017

- Developed hybrid and native Android applications using Ionic and Angular.
- Built real-time appointment and task management systems (Book a Service, COPSZ).
- Delivered safety-focused apps with panic alerts and emergency notification features.
- Designed GPS navigation and GIS-based solutions for field operations.

Co-Founder | Heartynote, Hyderabad

Apr 2014 - Apr 2015

- Led end-to-end development of a secure personal social networking platform.
- Designed scalable user experience features including dashboard, personalized feeds, and profile management.
- Engineered private group-sharing (ROOM) and real-time engagement modules.
- Implemented core systems including notifications, search, and activity tracking.

ACHIEVEMENTS

Best Performer | Publicis Sapient

2020

Consistent Performer | MagikMinds

2016

EDUCATION

B. Tech.

Jawaharlal Nehru Technological University Kakinada

2010 - 2014

Computer Science and Engineering

SKILLS

LEADERSHIP & STRATEGY

- Engineering Leadership
- Team Building & Mentorship
- Stakeholder & OKR Management
- Cross-squad Collaboration
- Talent Pipelines & Growth
- AI-driven workflows

GOVERNANCE & DELIVERY

- Roadmap & Sprint Delivery
- Engineering Governance
- Observability & Performance
- Agile & Change Management
- Resource & Cost Optimization

ARCHITECTURE & TECH

- System Design & High Scale
- Resiliency & Cloud Strategy
- Java, Spring Boot, Node.js
- SQL, NoSQL, Elasticsearch
- ReactJS, React Native, TS
- AWS, Docker and Kubernetes