

# PRASANNA KUMAR B V

## Senior Engineering Manager | Platform, Cloud & FinTech Engineering Leader

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### PROFESSIONAL SUMMARY

Engineering Manager and Technology Leader with 20+ years of experience leading high-performing engineering teams across IoT, FinTech, AI/ML, Big Data, Cloud, and Digital Media. Proven track record delivering enterprise-scale platforms serving 100M+ users and connected devices, leading teams of 30+ professionals, and driving multi-million-dollar technology programs. Recognized for scaling engineering organizations, driving digital transformation initiatives, and aligning technology investments with business objectives.

### CORE COMPETENCIES

- Engineering Leadership & Organizational Scaling
- People Management, Hiring & Talent Development
- Engineering Strategy & Technology Roadmaps
- Agile & Scrum Transformation, Engineering Excellence
- Cloud Strategy, FinOps & DevOps
- Enterprise Architecture & Microservices
- AI/ML Integration & MLOps
- IoT Platforms & Distributed Systems
- FinTech & Payment Systems
- Big Data & Streaming Architectures
- Stakeholder & Executive Management

### TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, Scala

**Frameworks:** Spring Boot, Spring Framework, Hibernate, Node.js

**Cloud:** AWS, Azure, Jio Private Cloud

**Containers & Orchestration:** Docker, Kubernetes

**Data Engineering & Messaging:** Kafka, HiveMQ, Solace, Spark, Hadoop, HDFS, Hive

**Databases & Caching:** Cassandra, MySQL, Oracle, SQL Server, DynamoDB, Redis

**FinTech Standards:** ISO 8583, DUKPT, PCI-DSS (JioPay platform)

**Analytics, BI & Visualization:** Tableau, Superset, Zoomdata

**DevOps & CI/CD:** Git, Jenkins, Terraform, CI/CD Pipelines, Azure DevOps, Jira, Prometheus, Grafana

### PROFESSIONAL EXPERIENCE

#### Mentor & Technical Advisor | CoreBuild

Aug 2025 – Present

- Advise start-ups on product strategy, solution architecture, and scalable cloud-native platform design.
- Lead technical architecture and MVP planning for CoreBuild (construction marketplace) and Wedding Planner (event management platform).
- Prepare BRD, SRS, API specifications, and engineering roadmaps to accelerate product development.
- Mentor engineering teams on Agile/Scrum delivery, microservices architecture, CI/CD, and engineering best practices.
- Advise on cloud cost optimization, AI/ML integration, and Agile adoption across multiple ventures.

#### Engineering Manager | Turing (Remote)

Oct 2024 – Jul 2025

Engaged via Turing's global talent network to lead a client-embedded engineering organization delivering PepsiCo Frito-Lay's Agriculture (farmer supply-chain) platform.

- Directed a 32-member cross-functional engineering organization across a \$2M+ portfolio with 100% on-time delivery.
- Recovered a delayed, at-risk project through governance restructuring and stakeholder alignment.
- Implemented Azure Monitor and improved engineering productivity by 15%.
- Partnered with executives on roadmap planning and mentored engineering teams using Agile/Scrum practices.

#### Engineering Manager | Metapix

Oct 2023 – Sep 2024

- Led two concurrent engineering teams (24 members total), spanning AI/ML product development and e-commerce platform delivery.
- Delivered AI/ML models with sub-300ms latency, improving accuracy by 25% and reducing inference latency by 30%.

- Improved e-commerce platform performance by 30%, reduced downtime by 20%, and optimized cloud costs via CI/CD pipeline improvements.

### **Engineering Manager | Zee Entertainment (Hipi)**

*Jun 2022 – Sep 2023*

- Led engineering for a large-scale short-video platform serving 10M+ users using cloud-native microservices.
- Architected and delivered 25+ scalable microservices across the platform, improving reliability and maintainability.
- Reduced AWS infrastructure cost by 30% through cloud optimization and resource governance.
- Partnered with Product, Data Science, QA, and Business stakeholders on roadmap and execution priorities using Agile/Scrum ceremonies.
- Mentored engineers through technical coaching, performance feedback, and engineering best practices.

### **Senior Engineering Manager | Jio Platforms**

*Aug 2012 – May 2022*

*Progression: Team Lead → Solutions Architect → Platform Architect → Engineering Manager*

- Scaled the Jio IoT platform from 1M to 100M+ connected devices with 99.99% platform availability, leading teams of 20–30 engineers across four progressively senior roles over a 10-year tenure.
- Built distributed data pipelines processing 50TB+ of data per day; drove cloud modernization, DevOps adoption, and legacy-system migration, reducing operational costs and deployment time.

### **Engineering Manager, Device Data Collector & DC Config | Jio Platforms**

*Jan 2019 – May 2022*

- Directed design and development of the Device Data Collector (DC) and DC Config systems, enabling comprehensive data collection from diverse Jio devices — from OBD dongles to smartphones — to power performance analytics and business decisions.
- Used a microservices architecture with Kafka, HiveMQ, and Cassandra, supported by CI/CD pipelines for rapid, reliable releases.

### **Platform Architect, JioIoT Platform | Jio Platforms**

*Jan 2017 – Mar 2019*

- Owned architecture and delivery of the JioIoT platform, a centralized hub aggregating data from IoT devices including OBD dongles, smart meters, and home gateways.
- Delivered Connected Car (vehicle health checks, driver behavior analysis) and Smart Living home-automation capabilities with voice-assistant integration, built on Java, Spring MVC, Hibernate, and Kafka.

### **Solutions Architect, Device Management System | Jio Platforms**

*Nov 2014 – Dec 2016*

- Conceptualized and built the Device Management System (DMS) to manage the JioPay device lifecycle end-to-end, from manufacturing through merchant activation, using DUKPT and ISO 8583 standards within a PCI-DSS compliant environment.
- Delivered the system on Java, Spring MVC, MySQL, and Hibernate as the single source of truth for device-related events and actions.

### **Team Lead, RPay Wallet (JioMoney) | Jio Platforms**

*Aug 2012 – Nov 2014*

- Led the development team for RPay Wallet, the payments engine within the JioMoney app, integrating payment switches and gateways for secure, location-based transactions.

### **Team Lead | Samartha Info Solution**

*Jul 2010 – Aug 2012*

- Led a team of software engineers delivering enterprise Java applications.
- Improved engineering quality through code reviews, Agile practices, and technical mentoring.

## **EARLIER PROFESSIONAL EXPERIENCE**

- Software Engineer | Prakruthi Technologies, Bengaluru (May 2009 – Jun 2010)
- Software Engineer | SN Software Technologies, Bengaluru (Aug 2008 – Apr 2009)
- Software Engineer | eSpark Infotech, Bengaluru (Oct 2005 – Jul 2008)
- Key Contributions: Delivered FinTech, HRMS, Microfinance, University Management, and Enterprise Java solutions for multiple customers.

## **AWARDS & RECOGNITION**

- Turnaround Excellence Award – 2025
- Team Excellence Award – Device Data Collector Project – 2020
- Best Performer Award – 2012

## **EDUCATION**

Bachelor of Engineering (Electronics & Communication), VTU / JNNCE Shivamogga — 2004

Diploma in Electronics & Communication, Sandur Polytechnic — 2001