

PRANJAL PATIL

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EXPERIENCE

MoniePoint (Africa's fastest-growing fintech)

Head of Engineering (Principal IC)

Dubai, UAE

06/2024 - Present

- Designed and developed distributed multi-datastore payments ledger processing 1B+ daily transactions (~\$25B in monthly money movement) with sub-XX ms latency and 99.99% availability; supported ~100% YoY transactions growth by defining and executing a multi-year tech roadmap.
- Building core banking product suite including payments ledger, accounts management, notifications, and IAM platforms serving 20M+ customers (business & personal banking).
- Defined and built an event-driven payments transaction architecture adopted by 10+ product teams, establishing org-wide resiliency patterns and boosting payment processing uptime by 0.05% to 99.99%.
- Led initiatives to launch and scale payment products such as digital wallets, interest profiles, multi-currency support boosting customer retention by 3% through stronger product adoption.
- Optimized end-of-day financial reconciliation, reducing processing time from 4 hours to <15 minutes and cutting manual intervention by 85% through automated big-data pipelines.
- Reduced infrastructure cost per financial transaction by 19% through strategic initiatives, including migrating to Spanner DB, replacing managed Bigtable with Redis, and optimizing K8s infra.
- Defined AI-native development standards and quality gates, enabling agentic coding at scale while maintaining low post-merge defect rates through spec-driven development.
- Tech: Java, Spring, Redis, Kubernetes, GCP, MySQL, Spanner DB, DDD, Kafka, ClickHouse

KingMakers (SuperPicks.com)

Principal Software Engineer, Senior Engineering Manager

Dubai, UAE

02/2022 - 06/2024

- Launched and scaled the SuperPicks fantasy sports product suite to 4M+ MAU, managing 30K+ RPS at peak for fantasy team creation flows serving ~1M+ leaderboard entries per match by architecting and leading the end-to-end development.
- Revamped the Identity & Access Management (IDM) platform, transitioning to a stateless zero-trust architecture, improving P99 latencies by 70%, and reducing cloud infrastructure costs by over 60% including a zero-downtime migration while serving 9M+ MAU.
- Redesigned the customer support back-office portal, transitioning from a monolith to microservices, reducing average ticket resolution time by 30% and enhancing overall service delivery.
- Tech: Golang, .NET, Redis, TypeScript, React, AWS, PostgreSQL, DDD, Kafka

Careem (An Uber Company)

Senior Software Engineer, Engineering Manager

Dubai, UAE

06/2019 - 02/2022

- Led the supply engineering team for a food delivery platform, optimizing rider supply efficiency KPIs and integrating ETA prediction ML models to reduce delivery time per order by 20%.
- Designed and scaled the core e-commerce platform (search, catalog, and taxonomy systems) to support 50K merchants across MENA for the Careem super app.
- Re-architected the Merchant Catalog Ingestion process, achieving a 4X reduction in ingestion time.
- Managed the migration of Uber Eats platform data—including 30K merchants and catalogs—into the Careem ecosystem within three weeks, as part of the Uber acquisition deal.
- Tech: Golang, PHP, Java, Spring, Redis, AWS, MySQL, DDD, Kafka, ELK

Booking.com

Software Engineer

Amsterdam, Netherlands

06/2018 - 06/2019

- Founding member of the session quality data science team, enhancing customer experience by predicting booking conversions for 80M+ monthly active users across web and app.
- Designed and implemented scalable data pipelines to compute user session quality scores, indicative of user conversions, transforming raw interaction data into ML-driven predictions at scale (150M+ scores daily), processing petabytes of data daily.
- Tech: Python, Java, Spark, Data Engineering, Kafka, Hive, Hadoop, MySQL

OLA
Senior Software Engineer

Bengaluru, India
07/2016 - 12/2017

- Developed and deployed a real-time analytics platform for Ola's connected car service (Ola Prime Play) using Apache Spark and Spark Streaming, processing billions of events per day to enable business analysts to run real-time queries and compute key ride analytics.
- The platform empowered analysts to investigate ride connectivity issues, identify Bluetooth/Wi-Fi failure patterns, and classify cars by Wi-Fi connectivity tiers, which improved availability and reliability during the product launch.
- Tech: Java, Spring Boot, Kafka, Docker, Protobuf, MQTT, Spark, Elasticsearch, MySQL

Hem (Swedish E-commerce)
Senior Software Engineer

Pune, India
06/2015 - 04/2016

- Designed and implemented an integrated warehouse management system, improving operational efficiency across key KPIs such as fulfillment and throughput.
- Tech: Ruby on Rails, Java, Play 2.x, AWS, Redis, MySQL

Boomerang Commerce (E-Commerce platform)
Software Engineer

Bengaluru, India
06/2014 - 06/2015

- Designed and integrated TOR-based anonymous proxy solution for in-house distributed crawler module, resulting in a 30% increase in crawling efficiency.
- Tech: Java, Python, Spring Boot, Hibernate, MySQL, Tomcat, Distributed Crawling, AWS

Tejas Networks
R&D Engineer

Bengaluru, India
06/2012 - 06/2014

- Was a member of the network management team, responsible for the design and development of network/node auto-discovery engine features across various PDH/SDH telecom networks encompassing tens of thousands of network elements.
- Tech: Java, Multithreading, JMS (ActiveMQ), AMQP, MySQL, JDBC, SNMP, CORBA

EDUCATION

National Institute of Technology, Karnataka (NITK)
Master of Technology Computer Science

Surathkal, Karnataka
06/2010 - 06/2012

University of Mumbai
Bachelor of Technology Computer Science

Mumbai, Maharashtra
06/2006 - 06/2010