

Ayush Gupta

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Skills

Languages: Java, Go, Javascript

Tools and Frameworks: Docker, Kubernetes, Kafka, Node.js, Spring Boot, RabbitMQ, AWS, Redis, gRPC, REST APIs, Prometheus, Grafana,

Databases: PostgreSQL, MySQL, MongoDB, AWS DynamoDB, SQL Server

Experience

Engineering Manager (Officially Director of Engineering)

April 2024 – Present

Angel One

Bangalore, India (Remote)

- Managed a team of 8 engineers to build the in-house risk and order management platform for the angel trading platform ranging from SDE-1s to SDE-3s.
- Led the replacement of a critical legacy system used by all areas of the business targeted with vastly improving system efficiency by reducing human touch points by 80% and saving \$2M annually.
- Streamlined development and code review processes leading to a **75% reduction** in PR pickup time, and a **50% reduction** in PR review and merge time.
- Drove the design, development, and deployment of the replacement system, achieving consensus and buy-in across engineering, product, operations, and business leadership.
- Successfully navigated an evolving problem space, incorporating new ideas and changing requirements into our delivery plan, achieving our commitment to deliver the functional requirements within 12 months.
- Worked with the team on solutioning of major technical milestones and challenges like disaster recovery of all components, scaling strategies etc.
- Created and reviewed design documents and pull requests for business requirements and technical enhancements.
- Used DORA metrics to monitor performance of the team, and use the metrics to come up with improvement areas and action plans.

Senior Software Engineer (SDE-3)

December 2022 – April 2024

Angel One

Bangalore, India (Remote)

- Led a team of 7 engineers to build the core in-house risk management platform for the angel trading platform.
- Led design and development of the risk management platform handling over 11 million orders daily achieving P99 latency of 25ms.
- Implemented a monitoring and auto-unblocking job to unblock contracts for trading based on point-in-time liquidity, leading to an additional ARR of over \$1.5M.
- Drove execution of the platform, bringing clarity to an ambiguous initiative via
 - Gathering requirements from various stakeholders like operations teams, product managers, downstream consumers etc.
 - Defining short and medium-term release milestones in alignment with long term organization goals, making tradeoffs and prioritizing items based on business need.
- Architected, designed and led development of a self-serve high performance rule engine mitigating compliance and margin shortfall risks, while reducing daily operational overhead by 40%.
- Led performance and load testing efforts, collaborating findings with domain experts like DBAs etc to tune indexes and queries, incorporating feedback causing a 20% performance improvement.

- Set code standards across the team in Go, publishing style guides and advocating for industry standard patterns and leveraging tooling like SonarQube etc leading to code quality and maintainability improvement and increasing the test coverage from 15% to 90+%.
- Played a key role in planning and designing for disaster recovery and HA setup for the whole system.

Senior Software Engineer

September 2021 – November 2022

Gojek

Bangalore, India (Remote)

- Managed a 6-person team to develop an automated central identity verification platform, efficiently processing 100 document sets per second across an average of 8 stages per set.
- Pioneered RabbitMQ integration, optimizing async workloads and replacing Sidekiq, increasing system maintainability and reliability.
- Translated product initiatives into actionable engineering items for efficient project execution.
- Designed end-to-end architecture and data flow diagrams for robust performance.

Software Engineer 2

August 2020 – September 2021

Postman

Bangalore, India (Remote)

- Pioneered a self-serve change management platform, empowering teams to integrate with Version Control.
- Transformed user stories into actionable tasks aligned with business OKRs.
- Optimized core product workflow by 70%, reducing error rates by 80%.

Senior Software Developer

December 2018 – August 2020

Paisabazaar

Gurgaon, India

- Orchestrated mutual funds platform revamp, driving key architectural decisions, managing transactions of millions of dollars daily.
- Saved 30% operations' teams daily man hours by automating previous manual tasks using incoming e-mail parsing and UI automation.
- Managed 200,000+ user migration with zero downtime.
- Engaged with stakeholders to address bottlenecks and pain points, reducing customer complaints by 66%.

Senior Software Engineer

January 2018 – December 2018

Blocknomic Technologies Ltd.

Gurgaon, India

- Led 3 engineers in developing a cryptocurrency exchange aggregator and making crucial architectural decisions.
- Led the successful conversion of HTML wireframes to React.js app conversion in 2 weeks.
- Integrated with public blockchains for real-time transactions.
- Designed distributed, real-time data aggregation system for unified user data view.
- Established connections with partner exchanges for cross-platform trading.
- Authored design documents, expediting new partner integration.

Senior Software Developer

July 2016 – December 2017

Seraro Solutions Ltd.

Noida, India

- Developed an event-driven IoT tracking platform using serverless architecture and AWS services.

Education

Guru Gobind Singh Indraprastha University

August 2012 – June 2016

Bachelors of Technology - Computer Science and Engineering

Delhi, India