Ayush Gupta

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Skills

Languages: Java, Go, Javascript, Python
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)   *December 2022 – Present*
Angel One   *Bangalore, India (Remote)*
Current Role:

- Hands-on line manager of a total of 12 engineers from mid-level to tech leads, overseeing end-to-end execution of multiple key initiatives across the Core Trading Platform of the Angel One trading ecosystem.
- Mentored and upskilled the team across various competencies, leading to 3 promotions in the financial year across multiple levels.
- Led architecture and execution for a high-throughput Risk & Order Management system (4K writes/sec, 50K reads/sec, P99 latency: 25ms)
- Led technical excellence by coaching engineers through code and design reviews, pairing sessions, and reinforcing scalable software development practices.
- Owned architecture and execution across key systems, acting as the technical SPOC for cross-team initiatives; reviewed design docs, PRs, and contributed hands-on to unblock delivery.
- Coordinated with multiple teams to gather requirements, document use cases, and define a seamless migration plan for platform adoption for an ongoing platform migration initiative.
- Improved engineering velocity through process enhancements in on-call readiness, CI/CD, code review practices, and standardized engineering guidelines.
- Defined and executed rollout strategies, including SLAs, performance testing, and disaster recovery/high availability for mission-critical systems.
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Previous Role(Senior Software Engineer (SDE-3):
Bangalore, India (Remote)

- Tech Lead for 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.
- 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.
- Promoted to Engineering Manager of the same team before taking on other initiatives as well.

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.
- 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 and implemented a self-serve change management platform, empowering teams to integrate with Version Control.
- 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.
- 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.
- Integrated with public blockchains for real-time transactions.

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*