

PRADEEP SINGH

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PROFESSIONAL SUMMARY

Software engineer with 9+ years building and operating software systems across full lifecycles. Strong focus on end-to-end architecture, performance optimization, and workflow streamlining to improve delivery outcomes. Known for fast technology ramp-up and applying new tools to production environments.

EXPERIENCE

Staff Software Engineer — *July 2021 - Present*

Falconx | Bengaluru, Karnataka

- Led team of 7 to build low-latency trading system; scaling it to 1000x while minimizing resource and financial risk, reducing latency by 50x.
- Developed pricing system delivering prices within 3ms, optimizing network load on the cluster. Further optimized the network load on the cluster.
- Scaled the system architecture to support derivatives and diverse instrument types, designing robust handling for complex payoffs, multi-leg execution, and cross-asset risk management.
- Cultivated engineering culture focused on managing priorities, live issues, documentation, release process, and adoption of DevOps tools, supported engineering team expansion.

SOFTWARE DEVELOPMENT ENGINEER II — *Aug 2017 to June 2021*

PayPal India Private Limited | Bengaluru, Karnataka

- Managed high volume Shipping and payment transaction service, overseeing product lifecycle from end to end, including batch processing and messaging daemons.
- Developed flexible data collection platform, enabling configuration-driven design for form data collection across various domains, allowing product owners to create new workflows independently.

INTERN | SOFTWARE ENGINEER — *May–July 2016*

Amazon | Chennai

- Developed applications using Play framework and leveraged AWS services for metric generation. Utilized EC2, Lambda, CloudWatch, and New Relic to achieve project objectives.

INTERN | SOFTWARE ENGINEER — *May–June 2015*

Medd- Holamed Healthcare Technologies | Startup | Mumbai

- Developed Android app and NodeJS APIs to deliver information on nearby affordable pathology labs and pharmacies.

SKILLS

- Low latency systems
- System architecture
- Technical lead
- Go-lang
- Python
- Node.js
- Redis
- Kafka
- Mysql
- AWS
- React
- Trading platforms

EDUCATION

B. TECH | Computer Science And Engineering — *2013- 2017*

National Institute of Technology, Tiruchirappalli, TN

- Graduated with 8.34 CGPA
- Web and Technology Head for College Fest in 2016.