

I have designed and built horizontally scalable, distributed back-ends on top of RESTful API services; MySQL and NoSQL data-stores, running applications written in Java, Python, NodeJS and PHP, and deployed on AWS. I have headed engineering teams for a couple of startups, where I created and organised engineering teams, established engineering processes, and built tech stacks from ground up.

EXPERIENCE

Senior Engineer, Turvo

Hyderabad, Nov '17 - Present

- Lead the redesign of the central configuration service of Turvo platform, that reduced persistence data storage requirements, and improved the platform's overall performance, and reduced load times for various components. Also wrote the internal library for the service as part of the rewriting, which is now used by all the other services.
- Rewrote the platform's Redis caching implementation by creating a re-usable framework that abstracted Redis operations and exposed simplified high-level methods.
- Developed one of Turvo's first automated code quality inspection tool using SonarQube, Jenkins and Bitbucket. It is triggered when pull requests are opened, and does code review, and posts results back to the repository as inline comments, without any manual intervention.
- I'm part of the team that builds and maintains the new generation of features for Turvo, using scalable micro-services based system design and has strict code quality standards enforced.

Software Architect, NowFloats

Hyderabad, July '16 - Oct '17

- Lead the team for NowFloats' conversation platform for enterprises, "[ana.chat](#)". Used Spring Cloud modules and Apache Thrift to create a completely distributed, resilient, and horizontally scalable polyglot micro-services based architecture for the platform.
- Created a cross-functional team of web, mobile and back-end engineers from within the organization for the project.
- Mentored and advised junior engineers, and helped them with architecture and design.
- Continued heading product & engineering for Lookup (see below).

VP of Engineering, Lookup *(acquired by NowFloats)*

Bangalore, July '15 - July '16

- Proposed, planned and executed the re-architecture of Lookup platform from the initial monolithic stack to a distributed architecture deployed on AWS, removing frequent downtimes and scaling the platform to handle increasing loads.
- Introduced tools like Git & Jenkins to enable continuous integration and improve development process.
- Built and organised the engineering team, introduced Agile methodology for the development process, and conducted daily Scrum meetings.
- Brainstormed with the product and design teams, and conceptualised product features and UI/UX design; and created design concepts from time to time
- Oversaw migration of Lookup platform to NowFloats stack after the acquisition.

Lead Engineer, ZipDial *(acquired by Twitter)*

Bangalore, Sep '13 - July '15

- Handled development of voice based applications on cloud telephony, which was ZipDial's flagship service.
- Worked closely with the product delivery team and developed customer journeys for ZipDial's clients.
- Created a re-usable internal framework for application development, that increased
- Conceptualised, developed and deployed a custom monitoring and alerting tool for the 3rd party cloud telephony platform, which helped avoid down-times proactively.
- Handled IVR platform vendor interactions, identified and fixed issues working with the vendor's technical team.
- Managed a team of 2 engineers, and partially handled server and platform administration and deployments.

Software Architect, Innoz

Bangalore, Nov '09 - Aug '13

Innoz was the developer of the award winning SMS based search and answering engine SMS Gyan, which enabled users without Internet connection to find information on the Internet via SMS. I joined the company during my college, as the first employee.

SMS Gyan

- Wrote the source code from scratch along with one of the co-founders of the company.
- Directly worked with leading Indian telecoms like Airtel, Vodafone, Idea, Aircel, etc to onboard the product as a value added service.
- Redesigned the platform from the original PHP & MySQL stack to a polyglot distributed architecture, and thus scaling to accommodate the traffic of more than a million user queries per day, and over a hundred million users.
- Hired and built engineering, and R&D teams and team leads.
- Organised teams into product, platform and support teams, and streamlined the engineering process.
- Managed and mentored freshers and lateral hires.

CellNXT

- Developed and scaled the front and back-ends of the web portal for the bulk SMS reseller product.
- Worked with vendors and integrated SMS pipelines on SMPP protocol.

I was [featured on YourStory.com](#), one of India's leading media platform for start-ups and entrepreneurs while working at Innoz.

SKILLSET

Tools, Technologies & Techniques

- | | | |
|---------------------------------|---|----------------------------------|
| • Java, Spring Framework | • Web applications, REST APIs | • Sprint planning, Scrum, Kanban |
| • NodeJS, ReactJS, jQuery; PHP | • Micro-services & Distributed architecture | • JIRA, Trello, Asana |
| • Apache Thrift, JSON, CSS | • AWS, Google Cloud Platform | • Linux, Mac OS, Windows |
| • MySQL, MongoDB, Elasticsearch | • Git, Maven, SBT, Jenkins | • IntelliJ IDEA, Eclipse |
| • Redis, Memcached | • NGINX, Apache, Tomcat | • Sketch, Zeplin, Invision |
| • RabbitMQ, SQS, SNS | | |
| • Nagios, Logstash, Kibana | | |

Also familiar with Scala, Play Framework, Python, Django framework, and C/C++

Qualities

- Meticulous, yet pragmatic about code standards and quality. I treat tech-debt with priority, and clear them as early as possible.
- Ability to collaborate well with non-technical departments; I have made product & engineering execution plans working with operations & sales teams, while also keeping the organization's mission in focus.
- Have managed tech and product teams of various disciplines; have defined KPIs and competency mapping for performance management & evaluation of developers.
- Attention to detail and good aesthetic sense. I have conceptualised app UI/UX designs using Sketch and have built web UI using ReactJS.
- I try to keep myself updated on the latest developments in technology; I'm currently exploring blockchain, and am trying out Ethereum.

EDUCATION & CERTIFICATIONS

Attended LBS College of Engineering (Kannur University)

Bachelor of Technology in Computer Science & Engineering (2005 - 2009)

NIIT

Diploma in Computer Applications (2003)

Machine Learning by Andrew Ng

Stanford University | Coursera (2016)

[Course Certificate](#)