

*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*

- Led the redesign of the dynamic configurations framework of Turvo platform, which improved the platform's overall performance by reducing data storage requirements, and load times for front-end and back-end services. Wrote the internal library for the framework 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.
- Initiated efforts to improve code quality standards of the company; developed one of Turvo's first automated code quality inspection tool using SonarQube, Jenkins and Bitbucket, which is triggered automatically when pull requests are opened, performs code review, and posts results back to the repository as inline comments, all without any manual intervention.
- 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*

- Led the team for NowFloats' enterprise conversation platform, "[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, which could be deployed as a standalone single-tenant setup or a multi-tenant cloud setup.
- 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 cut down delivery times by half.
- 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 helped users find information on the Internet via SMS. I joined the company during my college, as the first employee.

### SMS Gyan

- Wrote the source code scratch, and created the initial PHP & MySQL stack. Later redesigned the platform to a polyglot distributed architecture, which scaled the platform to accommodate the traffic of more than a million user queries per day, from over a hundred million users.
- Directly worked with leading Indian telecoms like Airtel, Vodafone, Idea, Aircel, etc to onboard the product as a value added service.
- Built and organised the engineering team into product development, R&D, platform and support teams, and streamlined the engineering process.
- Hired engineers and team leads with various skillsets for all teams. Managed and mentored freshers and lateral hires.

### CellNXT -- bulk SMS reseller platform

- Developed and scaled the front and back-ends of the web portal using jQuery, PHP and MySQL.
- 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            |
| • GraphQL, Apache Thrift, JSON  | • AWS, Google Cloud Platform                | • Linux, Mac OS, Windows         |
| • MySQL, MongoDB, Elasticsearch | • Git, Maven, SBT, Jenkins                  | • IntelliJ IDEA                  |
| • Redis, Memcached              | • Nginx, Apache, Tomcat                     | • Sketch, Zeplin, Invision       |
| • RabbitMQ, SQS                 |   |                                  |
| • Logstash, Kibana; Nagios      |   |                                  |

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.

## EDUCATION & CERTIFICATIONS

Attended LBS College of Engineering (Kannur University)

for 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](#)