SHYAM ANAND

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I have more than 10 years of experience in designing and building 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 also managed engineering teams for a couple of startups, where I have created & organised engineering teams, established engineering processes, and built tech stacks from ground up.

EXPERIENCE

TURVO Hyderabad
Software Architect From Feb '21
Senior Software Engineer Nov '17 - Feb '21

I'm part of the team of architects, and am in charge of some of the internal services of the Turvo platform. I review existing services, recommend and/or implement improvements. I also am the technical lead for a feature-set team, and propose high level design for new features developed by the team.

- **Redesigned and rewrote** the central configuration service of Turvo platform, that reduced persistence and in-memory data storage requirements, 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 widely used in the platform.
- **Rewrote** the platform's Redis caching implementation by **creating a re-usable framework** that abstracted Redis operations and exposed simplified high-level methods.
- **Developed** an automated code quality inspection tool using SonarQube, Jenkins and Bitbucket. It is triggered when pull requests are opened, reviews code for quality and conventions based on pre-defined rules, and posts results back to the repository as inline comments, without any manual intervention.
- As a Senior Engineer, I was part of the team that developed some of the latest features for the Turvo platform, following micro-services architecture and strict code quality standards. The services written as part of this are now used by all the newly developed services.

NOWFLOATS Hyderabad, July '16 - Oct '17
Software Architect

- **Led 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).

LOOKUP (acquired by NowFloats) Bangalore, July '15 - July '16
VP of Engineering

- **Proposed, planned and executed** the re-architecture of Lookup platform from the initial monolithic stack to a distributed architecture deployed on AWS, that **eliminated frequent downtimes** and **scaling the platform** to handle increasing loads.
- Introduced tools like Git & Jenkins that enabled continuous integration and improved development process.
- **Built and managed 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.

ZIPDIAL (acquired by Twitter) Bangalore, Sep '13 - July '15

Lead Engineer

- 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 reduced development 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.

INNOZ Bangalore, Nov '09 - Aug '13

Software Architect, Founding Team Member

   *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 as the first employee. I was featured on YourStory.com, one of India's leading media platform for start-ups and entrepreneurs while working at Innoz.*

- **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.
- **Managed 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.

SKILLSET

Tools, Technologies & Techniques

- Java, Spring Framework
- Redis, MySQL, MongoDB, Elasticsearch
- RabbitMQ, SQS, SNS
- Logstash, Kibana

- Web applications, REST APIs
- Micro-services & Distributed architecture
- Git, Maven, Jenkins
- NGINX, Apache, Tomcat
- AWS, Google Cloud Platform

- Sprint planning, Scrum, Kanban
- Jira, Trello, Asana
- IntelliJ IDEA, Eclipse
- Sketch, Zeplin, Invision
- Linux, macOS

Also familiar with Scala, Play Framework, Python, and Javascript.

Qualities

- **Meticulous, yet pragmatic about code standards and quality.** I treat tech-debt with priority, and clear them as early as possible. I regularly make recommendations for fixing code smells during reviews.
- 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. Mobile UI designs I conceptualised for Lookup has **resulted in increased user engagement**.

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 Online | Coursera (2016)