

## Summary

Senior Engineer and Team Leader with over 10 year of experience in comprehensive design and development of the backend infrastructure for web services, distributed systems and software applications, with a proven track record of leading people to achieve success by setting up high performing teams. Domain experience in developing core business services in a micro-services ecosystem, practices ensuring reliability of production services and scaling infrastructure.

## Languages, Technologies & Paradigms

- Java, Python, Perl, Node.js, Ruby, JavaScript
- Apache Kafka, Storm
- SOA/Microservices
- Ansible, Puppet
- Dropwizard, J2EE, Guice, Django, Flask, Pandas
- API Design
- Chaos Engineering
- Bare Metal/ Kubernetes
- MySQL, Cassandra, Redis, Hbase, Hadoop
- Distributed systems
- CI/CD, Gitlab, Jenkins

## Skills

- People Management
- Agile practices
- Coaching/Mentoring
- Effective communication
- Technical Leadership
- Performance management
- Commercial awareness

## Employment Experience

Senior Engineer & Team Leader	Booking.com (Amsterdam)	Sep 2016 - Present
<ul style="list-style-type: none"><li>• Leading the team responsible for the Booking.com website and mobile app high availability and reliability on production.</li><li>• Responsible for People and Performance management for a team of 6 team members.</li><li>• Leading the Chaos Engineering efforts at Booking.com. Building Chaos Orchestrator Java framework to enable Chaos experimentation across various Booking.com systems.</li><li>• Worked on Reliability Collaboration Model resulting into clear expectations with Reliability and product teams over ownership of the service.</li><li>• Working on tooling to increase Reliability of systems and reducing operational toil for SREs.</li><li>• Implementing SLI/SLOs for different systems that the team owns.</li><li>• Maintained and scaled the Push Notification infrastructure at Booking.com for campaigns.</li></ul>		
Senior Software Developer	Flipkart Internet Pvt Ltd (Bangalore)	Sep 2014 - Aug 2016
<ul style="list-style-type: none"><li>• Re-architected and redesigned one of core business services Order Management Service(OMS) at Flipkart.</li><li>• Re-designed the service using HBase and multimaster VoltDB to scale linearly.</li><li>• Implemented Order Search service on order metadata pivots using Elasticsearch in the new JAVA service.</li><li>• Written a wrapper service so that the client could be supported on data model and API contracts for existing service unless they switch to new service</li><li>• Flipkart was moving to Cloud for better infrastructure management. Worked over the migration of OMS service and DB to the new infrastructure/cloud.</li><li>• Designed and then written the data ingestion infrastructure for the new service.</li></ul>		

- Designed and implemented a dashboard enabling various tech teams to simultaneously perform multiple operations like queue search, cluster search, queue creation, message unschedule, message count views etc.

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#### Senior Software Engineer

Paytm(Delhi)

Mar 2014 – Aug 2014

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- Designed and implemented the ACL (Access Control logs) API and framework providing custom permissions to various kinds of users.
- Working over the creation of a self-sustaining ecosystem fulfilling orders of various merchants
- Designing the inventory sync workflow for the merchants exposing their product status API.
- Integration of the market orders module with Google Analytics to understand the behavior of the users.
- Worked over Google Markup's for better tracking of the orders.
- Worked over the recharge module for lowend devices and fixed number of issues

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#### Software Engineer

Adobe Systems Inc (Delhi)

Jun 2010 – Mar 2014

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- Worked on build and release tooling which involved several Python and Java based in-house frameworks.

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#### Part-time Projects

[github.com/arpiagar](https://github.com/arpiagar)

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- Developed a configuration parser with memcache and minimize the load time for the config file.
- Designed a load balancer algorithm using Robin Round allocation of tasks to Worker Threads.
- Designed and implemented a Django task manager enabling the user to track its daily tasks.
- Implemented an API to track number of requests coming from a particular IP and blacklist when exceeds a threshold.
- Worked over Facebook and LinkedIn API and developed a means to graphically represent the 1st degree connections data.

#### Education

- **B.Tech in Computer Science.**(U.P Technical University Lucknow, JSS Academy of Technical Education,)(2006-2010) - 78.6%
- **C.B.S.E** (10+2) (L.N Public School) (2006) – 81.2%.
- **C.B.S.E** (Lions English School) (2004) – 90%.

#### Additional Project Achievements

##### Adobe Kickstart Initiative : Clipgaze Project

- Designed an Interactive Video Ecosystem – ClipGaze, which provides an unparalleled viewing experience by intelligently analyzing and extracting interesting and desirable information from video on demand .
- Sponsored by Adobe Kickstart Innovation Team with \$1000 to support the idea
- Received a whooping response consisting of 4000+ likes on Facebook, 200+ email sign-ups in less than two months.

##### Video Indexing Solution – Adobe Connect Feature

- Proposed and implemented a new indexing solution to index the Adobe Connect videos on the basis of their content extracted and analyzed intelligently by using the techniques of OCR(Optical Character Recognition) , Video Analytics and NLP (Natural Language Processing).

