

ARPIT AGARWAL

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KEY SKILLS & TECHNOLOGIES:

Programming

Python, Java, Ruby, Perl, JavaScript, Node.js, C, Flex

Web Designing & Tools

HTML, J2EE, Adobe tools (Muse and Edge), PowerShell, Jenkins, Django, Flask, Panda framework, Github, JSON, MySQL, Google Analytics Integration, Google Markup schema, FB Graph API, LinkedIn API, Ruby on Rails, Mysql5.5/5.6, Perforce, Nginx, Apache, Unicorn, NDB cluster.

OS

Mac OS 10.14, Ubuntu 12.04, CentOS 7, Window XP/Vista/7/8/8.1, iOS

WORK EXPERIENCE:

Sep 2016 – Present, Booking.com, Team Leader & Senior

Engineer (*Java, Python, Perl*)

- Working in the team responsible for the Booking.com website and mobile app availability, resiliency.
- Leading the Chaos Engineering efforts at Booking.com. Building Chaos Orchestrator Java framework to enable Chaos experimentation across various Booking.com systems.
- Worked on Reliability Collaboration Model resulting into clear expectations with Reliability and product teams over ownership of the service.
- Working on tooling to increase Reliability of systems and reducing operational toil for SREs.
- Implementing SLI/SLOs for different systems that the team owns.
- Maintaining and scaling the Push Notification infrastructure at Booking.com
- Previously worked in the Post Booking Mobile Engineering team at Booking

Aug 2014 – Aug 2016, Flipkart, Software Development Engineer Level II

(*Ruby, ROR, Padrino, MySQL*)

- Worked as a Software Development Engineer Level II at SCM-Core (OMS team) at Flipkart
- Solving for Order Search on various order metadata pivots using Elasticsearch in the new JAVA service
- OMS receives huge quantity of order data. Redesigning the service to using HBase and multimaster VoltDB to scale linearly
- Writing 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
- Flipkart is moving to Cloud for better infrastructure management. Working over the migration of OMS apps and DB to the new infrastructure/cloud

- Designing and then writing the data ingestion infrastructure for the new service
- 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.

March 2014 - Aug 2014, (Paytm (One97 Communications), Senior Software Developer

(Node.js, Javascript, MySQL, Github, Google Markup Schemas, Google Analytics API (for node.js))

- Joined as a Senior Software Developer in Paytm. Paytm Marketplace
- 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 low-end devices and fixed number of issues.
- Designed and implemented the ACL (Access Control logs) API and framework providing custom permissions to various kinds of users.

June 2010 - March 2014, Adobe Systems, Automation

(Python, Pandas, Java)

- Worked on automation tooling which involved several Python and Java based in-house frameworks

Weekend Projects <https://github.com/arpiagar>

(Python, Django, Flask, FB API, LinkedIn API, memcached, JWPlayer)

- Developed a config file parser with memcache and minimize the load time for the config file.
- Designed a load balancer using Robin Round allocation of tasks to Worker Threads.
- Designed and implemented a Django task manager enabling the user to track its daily tasks.
- Written 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

ADDITIONAL PROJECT ACHIEVEMENTS:

Adobe Kickstart Initiative : Clipgaze Project (www.clipgaze.com)

- 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
- Shortlisted by Coretech Innovation Team as the Prime Focus of the next release cycle.

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).

EDUCATION

2010: U.P Technical University Lucknow, JSS Academy of Technical Education, B.Tech in Computer Science and Engineering – 78.6%

2006: C.B.S.E, L.N. Public School, Hapur – 81.2%

2004: C.B.S.E, Lions English School, Silvassa (D&N.H) – 90%