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## Experience

### Senior Engineer/ Technical Lead

distributed systems java python

SkyMind (YC W16) | Remote

2017 - Sep 2019

- Owner of a cloud-friendly platform to initiate and manage distributed compute jobs (specifically batch training/inference of models using spark-submit). The platform provided an abstraction across various cloud providers (AWS, GCP and Azure), and was designed with extensibility in mind. It was a one-person project, and I wrote and maintained both the backend (as a microservice) and the UI.
- Helped improve the flagship product, SKIL. Some examples are: adding a plugins component, rewriting APIs, building (specific) distributed deployment features and improvements on NFRs like robustness (via integration tests) and performance.

### SDE-2

backend design ML platforms java

Flipkart | Bangalore

2015 - 2017

- Built a platform to predict traffic across user cohorts (time series forecasting). I built and maintained E2E data pipelines. The focus was on shipping fast, and getting reasonable reliability and latency guarantees as our SLA. The throughput varied seasonally between 1TB-5TB/day. Team: 2 engineers + 1 data scientist.
- Part of the team that launched Flipkart Ads. I helped build advertiser backend services like onboarding, wallet management, campaign management, reporting etc, and scale them to handle > 1000 QPS throughput with < 1500ms average latencies.

### Software Engineer/Team Lead

data-driven services python

Goibibo | Bangalore

2011 - 2015

- Built a data platform (using Hadoop + Python) and subsequently led the data team.
- Set up automated, (near) real time accounting and auditing across the organisation.
- Owner of the audience targeting and flight fare prediction services.
- Owner of Wuphf (an in-house anomaly detector) and Gandalf (an in-house analytics tool).

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## Open Source Projects

- Recommender: A simple ALS-based movie recommender. Uses Spark ML + Movielens dataset.
- Harmony: Music player designed to integrate with multiple sources. Built using Go + React.
- Asyncio-job-queue : A POC task queue built on top of Python's asyncio framework.

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## Education

Indian Institute of Technology, Kanpur

B.Tech (Aerospace Engineering)

2010

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