

# Arnab Ray

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## EXPERIENCE

### UDAAN | SOFTWARE ENGINEER

Bangalore | Feb 2020 – Present

- Built the procurement system, to place purchase order for procuring goods. Was involved in conception, design, development and deployment of it.
- Built the workflow of Just-In-Time procurement from scratch with three working models, having integration with our fulfilment and supply chain.
- Built service to perform vendor selection with a peak qps of 500 with 50ms of p99 latency.
- Built a state machine as a library with persistence support.
- Built a distributed lock library based on cosmosDB.
- Reduced cost for the microservices by optimising DB queries.
- Revamped product catalog system and refactored procurement to reduce IRN-GRN mismatch.
- Moved the monolith "first-party service" to micro-services.
- Improved coding practices by introducing eliminating blocking codes, incorporated code linters, adding unit tests.

### FLIPKART INTERNET PVT. LTD. | SOFTWARE ENGINEER II

Bangalore | Mar 2016 – Feb 2020

- Created the engine to support feasibility check for all post order modifications by the customer like changing payment mode, changing address, rescheduling delivery slot or delivery date. It had a qps of 500 reads and 200 writes.
- Implemented fulfilment of multi-part shipment helping to scale furniture vertical. Sticky SLA and easy replacements were facilitated by the feature.
- Implemented fulfilment of grocery handling slotted delivery and lot managed inventory. Extremely critical for scaling up repeat customers.
- Designed and built the capability of multi-location of sellers (third party) and pre- orders for slotted delivery. This helped us to onboard sellers like Decathlon and Big Bazar on to our platform.
- Scaled fulfilment from 100 qps to 300 qps by sharding DB and optimising code.
- Built the environment for testing new features using production load, supporting both read and write APIs.

### EMC CORPORATION | SR. SOFTWARE ENGINEER

Bangalore | Aug 2013 – Mar 2016

- Developed installer for Unisphere for VMAX, this was a host management software, this had variant for Chinese market and a cloud platform.
- Created and maintained build scripts for the builds.

## EDUCATION

### INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI | M.TECH COMPUTER SCIENCE

2011 - 2013

GPA: 8.78

### WEST BENGAL UNIVERSITY OF TECHNOLOGY | B.TECH COMPUTER SCIENCE

2007 - 2011

GPA: 8.87

## SKILLS

#### PROGRAMMING LANGUAGES

#### DATABASES

#### FRAMEWORK

#### ORM

Java, Kotlin, Ruby, C, Typescript, ReactJS, Python, Shell Script, Perl, R  
MySQL, Postgres, Azure SQL Server, Redis, MongoDB, Azure CosmosDB  
Dropwizard, Padrino  
Hibernate, ActiveRecord.