Arnab Ray

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Experience

Udaan Bangalore
Software Engineer L4 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 for three working models, having integration with our invoicing, fulfilment and supply chain. Also integrated this workflow with third-party vendors like Unicommerce, Capillary Tech, Vinculum.

- Built vendor selection platform with a peak qps of 500 with 50ms of p99 latency.

- Implemented state machine as a library with persistence support.

- Implemented 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. Bangalore
Software Engineer II 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 Bangalore
Sr. Software Engineer 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 *GPA: 8.78* 2011 - 2013

West Bengal University of Technology
B.Tech Computer Science *GPA: 8.87* 2007 - 2011

Skills

Programming Languages:	Java, Kotlin, Ruby, C, Typescript, ReactJS, Python, Shell Script, Perl, R
Databases:	MySQL, Postgres, Azure SQL Server, Redis, MongoDB, Azure CosmosDB
Framework:	Dropwizard, Padrino
ORM:	JDBI, Hibernate, ActiveRecord.