

Prashant Dutt

Software Engineer



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EXPERIENCE

FLIPKART | SOFTWARE DEVELOPMENT ENGINEER 1 | PROMISE ENGINE (FULFILLMENT SERVICES GROUP)

April 2021 – Present | Bangalore, India

- Working on high throughput low latency services which provide availability, serviceability and delivery date for all products listed on Flipkart.
- Developed end-to-end functionality of converting the point-SLA promises to range-SLA on the basis of Business Unit and location tier. Scope involves - solutioning, contract closure and execution.
- Developed an end-to-end solution for auditing and monitoring the product page non-serviceability and listing flips between search-browse and product page. Scope involves - requirement gathering, implementation, and validation.
- Redesigned the anomaly monitoring system (Litmus) to gather and monitor availability and serviceability data given by various promise services. Scope involves - design discussions, requirement gathering, implementation, and testing.
- Led a team to migrate the legacy Aerospike Community Edition to Enterprise Edition for the whole promise ecosystem which improved the system consistency and fault tolerance. Scoped involves - Benchmarking, solutioning of handling multiple ingestion pipelines with zero downtime.
- Migrated Aerospike DB to dynamic configuration, solving the issue of frequent downtimes in promise service.
- Worked on demand shaping remodel and optimised pre and post-processing to reduce computation time by 50%
- Migrated multiple promise services from VMs to K8s.

QUALCOMM | ASSOCIATE SOFTWARE ENGINEER | MACHINE LEARNING ENGINEER AT QUALCOMM

November 2020 – April 2021 | Bangalore, India

- Machine Learning Engineer at CR&D Qualcomm (AI-C100 ML accelerator).
- Model on-boarding, Graph modifications and anomaly detection in real-time AI inferencing models using C++ and Python.

VYMO | REACT NATIVE DEVELOPER

August 2020 – November 2021 | Bangalore, India

- Worked closely with the iOS team and UI/UX team to deliver the best customer experience in the CRM application of Vymo.

PROJECTS

DRAGNET | IOT-DDOS PREVENTION IN FOG EMPOWERED NETWORKS | C++

2020

- Developed a prototype to detect and deauthenticate possible malicious devices at fog node level using STL Decomposition and anomaly detection.
- Published in Journal of Ambient Intelligence and Smart Environments Vol. 13, No. 3 DDoS Prevention Architecture Using Anomaly Detection in Fog-Empowered Networks

EXTRACURRICULAR ACTIVITY

- 2019** Co-Convener Moksha, The annual cultural festival of NSIT
- 2018** Co-Convener Innovision-Resonanz, The Techno Cultural Festival of NSIT
- 2018** Vice President Junoon, The Photography Club of NSIT

EDUCATION

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY | DELHI

B.E IN INFORMATION TECHNOLOGY

Aug 2016 – Aug 2020

GPA: 7.7/10

CLASS XII

CBSE | AISSCE

2015 | Percentage: 93.4%

CLASS X

CBSE | AISSE

2013 | GPA: 9.4/10

SKILLS

PROGRAMMING

C++ • C • Java • Python

DATABASES

Redis • Aerospike • My-SQL