Revati Damle

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Education

Master of Science in Computer Science, *State University of New York, Stony Brook*
Incoming student, Aug 2017 — Dec 2018
Current courses: Artificial Intelligence, Theory of Database, Computational Biology, and Wireless Communication

Master of Science and Technology in Information Systems, *BITS Pilani, Goa, India*
CGPA – 7.88/10, Aug 2011 — Aug 2015
TAship : Computer Organization, Logic in Computer Science

Technical Skills

Languages: Java, Python, C, R, HTML, Shell Scripting
Technologies: Spring, Dropwizard, JDBI, MySql, Nginx, Graphana, Orange, Weka, CRFSuite
Bigdata ecosystems: Apache Kafka, Zookeeper
Others: Git, Maven, Android

Work Experience

Flipkart, July 2015 – July 2017
Designation: Software Development Engineer
Highlights

- Worked on user facing, high-traffic team for online payments scaling to 40k QPS
- Modified the payment flows architecture and DB access patterns to reduce writes by 70%
- Enabled fast-track card refunds for users reducing SLA from 2-7 days to 15 minutes
- Built a separate refunds service to facilitate Immediate Payment Service (IMPS) based refunds, handling deployment, monitoring & reporting
- Enabled No Cost EMI construct, driving up the affordability of online purchases
- Achieved near real-time routing of payments traffic among various payment gateways, automate detection of unscheduled downtimes in 15 min SLA
- Achieved Zero-downtime migration of users' saved cards out of payments data to isolate access
- Implemented Kafka producer-consumer construct for logging of audit data in payments
- Trained new recruits in team, guiding him through technical and non-technical issues

Flipkart, July 2014 – December 2014
Designation: Intern
Highlights

- Engineered a prediction algorithm using Conditional Random Fields (CRF) prediction model to predict Payment Gateway downtimes based on historical sequential data.
- Achieved alert notifications via email if downtime is expected in next 15 minutes.

BITS Pilani, January 2014 – April 2014
Academic Project: Search Engine
Highlights

- Built and deployed a search engine on the local library servers to find most relevant document based on keyword extraction using TF-IDF and cosine similarity.

BITS Pilani, January 2015 – April 2015
Academic Project: Recommendation Engine
Highlights

- Built a plugin over an integrated library system, to recommend students books, magazines, and research papers based on their previous queries.