

Rakesh Gupta

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Software Engineer at Facebook, Menlo Park, CA

21 Aug 2017 - Ongoing

- Developed an android module to show content to users in their local language
- Delivered a feature to let users like and follow pages or groups interactively on the Facebook's Android app

Associate Software Engineer at Salesforce, San Francisco, CA

16 May 2016 - 28 July 2017

- Designed tools for complex issues such as deployment of updates on thousands of servers simultaneously
- Worked on every phase in SDLC to ensure delivery by coordinating with product management, quality and release teams
- Developed infrastructure for continuous integration, regression testing and automatic delivery of upgrade patches
- Delivered a connection log parser to detect and report malicious connections on the Database Cloud
- Developed a web based information portal using HTML/Javascript for my team, containing all the resources and guidelines

Software Developer at Morgan Stanley, Mumbai, India

16 Aug 2010 - 04 May 2015

- Led a geographically distributed five-member team to develop a reconciliation for Financial Controllers of Morgan Stanley
- Delivered a payment system that settled an amount worth more than USD 120 million within its first 3 weeks of deployment
- Designed Genesys, a straight through process to reduce undesired human interventions while opening ledger accounts
- Optimized the General Ledger to reduce the execution time per transaction from 16 minutes to less than 2 minutes

Internship Experience as a Software Developer at Microsoft, Hyderabad, India

25 May 2009 – 17 Jul 2009

- Delivered 'Line of Business' application to enable rapid development of survey/petition forms on Windows Mobile 7

Skills

Languages: Core Java, Java Spring framework, JMS, JUnit, JAX-WS, JAX-RS, HTML, XSLT, PL/SQL, Shell Scripts, Javascript, CSS
Databases and Reporting: Sybase, IBM DB2, Oracle, MySQL, DynamoDB, HBase, H2 In-Memory DB, SAP Business Objects
Tools: Autosys Scheduler, IBM MQ, Tivoli Netcool, IBM Rational Rose, HP QC, Savvion BPM Studio, XML Spy, Apache Spark

Education

Carnegie Mellon University, Pittsburgh, PA

May 2016

Master of Information Systems Management

GPA: 4.0

Courses: Cloud Computing, Data Mining, Distributed Systems, NoSQL DBMS, Statistics, IT Project Management

Teaching Assistant: Data Structures and Algorithms

Veermata Jijabai Technological Institute (VJTI), Mumbai, India

May 2010

B. Tech. (Information Technology)

GPA: 3.79

Courses: Computer Networks, Database Management, Object Oriented Analysis and Design, Automata Theory

Leadership, Awards and Extra Curricular Activities

- Received the **JRD Tata Scholarship** and the **Priyadarshani Scholarship** due of meritorious academic performance 2009
- Organized **Formula 1** – a robot racing event at Technovanza, the national level technical festival of VJTI Dec 2009
- Passed all three levels of **Chartered Financial Analyst** exams in least possible duration of 18 months Dec 2011 - Jun 2013

Academic Projects

Scalable Web Service for Impact Analysis of Twitter posts using AWS and MySql

Sep - Dec 2015

- Performed ETL operations on a large Twitter dataset (~1TB) and built a high performance REST-ful web service over it

Intelligent Load Balancer with auto-scaling abilities using Amazon EC2

Nov 2015

- Developed a load balancer to detect unresponsive servers and distribute the work to healthy nodes in round robin fashion
- Implemented strategies to dynamically scale up and scale down the cluster resources based on computing needs

Social Networking Timeline using HBase and DynamoDB

Oct 2015

- Implemented optimal graph structure for storing social networking information in HBase
- Designed and developed the data model for quick storage and retrieval of social networking posts data in DynamoDB

Distributed Key Value stores at various consistency levels using Amazon EC2

Sep 2015

- Developed a data storage system for Eventual, causal and strict consistencies in distributed data storage systems

Wikipedia usage analysis using AWS Elastic Map Reduce

Aug 2015

- Developed Hadoop Streaming jobs to analyze patterns and find trends in the usage of Wikipedia

Curve fitting application using Genetic Programming

Jun - Jul 2015

- Developed an application to find and improvise mathematical equations genetically to fit any given data