

PRABHJOT SINGH

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WORK EXPERIENCE

Salesforce.com Inc *Senior Member of Technical Staff, Quality Engineering* **Aug 2013 – Present**

- Participated in design/validation of three critical **API's**, match/search/dunsright, which generates 85% Data.com revenue.
- Worked with **business partners** in increasing throughput capacity from 10K request/hr to 1 million request/hr. Increased throughput enable customers to clean data in 5X less time, and helped sales to generate additional 15% revenue/year.
- Designed and **developed automated solution** to monitor complete infrastructure uptime parameters. Implemented log based alerting mechanism, traffic distribution dashboards, and production validation scripts. Automated system reduced deployment time from 3hrs to 15mins, bumped uptime to 99.994%, and reduced team's engineering effort by 6% per year.

Tata Consultancy Services *Assistant Systems Engineer* **Feb 2012 – July 2012**

- Developed an **agile process management tool-Kanban Board** that helped client in analyzing bottlenecks and reaching market swiftly.
- **Led a team** of six trainees' for development of Telecom Store Inventory product, and won the **first prize** out of 10 teams.

Sensifi Inc *Software Engineer* **Aug 2010 – May 2011**

- Designed, developed and **published** a RSS comic strip aggregator app, Comimix, **on Apple app Store**. App got featured at numerous websites as "app of the day" with total downloads crossing ~10K mark.
- Performed **market research, idea validation** and gathered feedback in terms of usability. Incorporated the feedback like date/time filters, custom website addition for enhanced user experience.
- **Analyzed usage patterns**, and pivoted our **revenue model** from paid app to advertisement revenue. This bumped up app's revenue to 1.6X.
- Implemented features like asynchronous download and multithreading for stream-less swiping.
- Integrated social handles for quick sharing and **social marketing**.

EDUCATION

- Master of Science in *Software Engineering & Development Management*, **Carnegie Mellon University** Aug 2013
GPA – 3.89/4
Relevant Coursework: Requirements Engineering, Software Architecture, **Process and Project Management**,
Avoiding Software Project Failures, Managing Software Professionals, **Cloud Computing**.
- **Product Management Certification – Level 6** from **Pragmatic Marketing**

TECHNICAL PROFICIENCIES

Technologies : JAVA, Objective C, Ruby on Rails, MySQL, jQuery, HTML5, Apex, Hadoop, EC2, Solr, Couchbase
Tools : Git, SVN, Eclipse, RubyMine, Xcode, Splunk, Jenkins
Methodologies : **Agile**, SCRUM, Extreme Programming

ACADEMIC PROJECTS:

- Grade-Book Tool: Developed an application that streamlines the grading process for 400+ students and faculty members at Carnegie Mellon Silicon Valley. **Gathered requirements** through contextual interviews, **defined roadmap, designed UI flow** in Cacao, developed application on Ruby on Rails with PostgreSQL as database, and eventually deployed on Heroku.
- Big Flight Data analysis: Deployed clusters of **Hadoop/Hive** on **Amazon EC2** cloud with master and slave nodes. Ran **map-reduce** jobs for flight delay cause analysis. Visualized results using PHP and Thrift.
- Comparison of Native vs HTML5 hybrid apps: Used Objective-C for developing native iOS application, HTML5 for hybrid, and benchmark.js for tests. Performed **usability tests**, and presented results in HTML5 meet-ups in the bay-area.

ACHIEVEMENTS

Won "**Best Technical Talent**" and "Star of the Group" at TCS ILP.

VOLUNTEER EXPERIENCE:

Coordinator of Hindi translation project at Khan Academy – translated around ~175 videos