Bangalore, India

SAHEB MOTIANI

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EMPLOYMENT

Senior Associate   **Morgan Stanley**   **Aug 2014 – Present**

Alerting Engine – processes alerts concurrently and sends notifications to Email, InApp, Push and SMS Channels

- Designed and implemented SMS Channel to deliver cash transactions and authorization messages.
- Saved firm's budget by evaluating modern SMS service providers namely Twilio, Nexmo and Plivo to replace old vendors used by the firm, which were expensive and not up to par with market leaders.
- On boarded Market on Demand Alerts which enabled user to receive real time alerts for value change of Stocks, Indices and Mutual Funds. News notifications for IPOs, Dividends and Bonds were also included.
- Reduced workaround time for resource bundle changes by moving them to persistent storage and implemented fallback mechanism for cache misses.
- Implemented a generic module to embed images inline and add attachments to Email when passed along with payload as Base64 encoded string.
- **Stack: Scala**, **Akka, Velocity, TeamCity, DB2, Git**

Developer, Intern   **Morgan Stanley**   **Jan 2014 – June 2014**

Dashboard Framework – easing the process of creating dynamic dashboards for various internal applications

- Every business specific portal requires dashboards with widgets to showcase charts, grids and videos.
- Saved countless hours of future development effort by implementing this framework which allows creation of dynamic dashboards in weeks which took months previously.
- **Stack: Java, ExtJs, Spring, Sybase, Perforce**

Contract Developer   **Google Summer of Code**   **Summer 2012 and 2013**

OGDF.js for the Web – OGDF

- Ported Open Graph Drawing Framework C++ library which is full of templates to Javascript using Emscripten compiler, in order to use it virtually on any JS platform including your browser and node.js.

Custom Icons for Canvas Based Modeler - ASCEND

- Improved usability of energy modeling system by enabling creation of more customized intuitive icons for those people who don't like writing text based models. Python and Gaphas were used for this task.

EDUCATION

Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT)   **July 2010 – May 2014**

- Bachelor of Technology, Information and Communication Technology. Grade - 8.1/10
- Relevant Courses: Algorithms and Data Structures; Information Retrieval; Software Engineering; Operating Systems; Databases; Graph Theory.
- Research Project: Movie Classification using k-means and hierarchical clustering algorithms.

PROJECTS AND OPEN SOURCE CONTRIBUTIONS

- **Liar's Poker Game** (2015) - An online multiplayer card game, where bets are poker hands.
  Stack: Play2, Scala, Squeryl, Web Sockets, Server Sent Events, Ajax.
- **Angry Birds Player** (2013) - A computer program customized to compete in Angry Birds AI Competition.
- **Gambit (2011) -** A poker bot which analyzed strategy of other player bots and performed moves accordingly.
- **Sudoku Solver** and **N Queens** - Used backtracking to solve and implement these problems in my first year.

POSITIONS OF RESPONSIBILITY

- Deputy Convener of Student Placement Cell, DA-IICT.   **Oct 2012 – Nov 2013**
- Vice-Captain of College Cricket Team, DA-IICT.   **Apr 2013 – Dec 2013**