

GAURANG MHATRE

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Academics:

Master of Science in Software Engineering at San Jose State University, CA
Bachelor of Computer Engineering at Mumbai University, India

August 2016 – (expected) May 2018
August 2011 - May 2014

Technical Skills:

Languages: *Java8, Scala*, C#, Python, C++, R

Database: MySQL, *Spark*, Redis, PostgreSQL, *Mongo*, Oracle

Libraries: RabbitMQ, Highcharts, D3 JS

Linux: Linux, MacOS, Windows

DS: Hadoop, Docker, **AWS**, Bluemix, Google app engine

Web: Node JS, Spring Boot, Angular JS, JavaScript, REST

Project: Agile, Kanban, Waterfall, Jira, GitHub

Testing: JMeter, *Junit*, NUnit, Selenium

Work Experience:

Software Engineer Intern at Teradata, San Diego

June 2017- August 2017

Technology Stack: *Java, Scala*, HDFS, *Spark*, Teradata, SQL, Gradle, GitHub, Rapid Prototype

- Implemented *spark connector* for QueryGrid tool in Scala to communicate with Teradata database.
- Defined serialization configuration for the interaction with the QueryGrid Manager.

Software Engineer Intern CO-OP at Siempo, San Francisco

October 2017- Current

Technology Stack: *Java*, Docker, Firebase, Espresso, jQuery, AWS, Docker

- Implementing the user tracker for Siempo android application and managing docker instance on AWS.
- Setting up the infrastructure of full UI automation with Espresso and Jenkins.
- Implemented Siempo website with jQuery and Scroll Magic to promote the Application. (URL: getsiempo.com)

Software Engineer at Gravitass, Mumbai

July 2014- April 2016

- Built full-stack applications in MEAN stack and Microsoft stack for two hedge fund clients.
- Led a team of 3 interns to set-up 70+ SQL based feed configurations for ETL in 2 months.

Projects:

Portfolio Rebalancer (Web/JS)

February 2016- April 2016

Technology Stack: *Java*, C#, JavaScript, AngularJS, MS SQL, HTML5, CSS, Python

- The application automated the process of realigning the weights of portfolios of assets for the client
- Implemented an Angular JS based visualization dashboard for Portfolio Rebalancer with D3.JS and High Charts also developed SQL logic for rebalancing the portfolio and designed Data Definition Layer.

Academic Projects:

Chatbot framework for shopping websites: (Web/JS - <https://bit.ly/2H1PH6Z>)

January 2018- Current

Technology stack: *Java, Spring Boot*, Postgres, Webpack, Docker, Hadoop, Botkit

- Developing a recommendation engine with Mahout for chatbot, to promote products to user interacting with bot.
- Exposing the endpoint with Spring Boot and testing it with Mocha.

Enterprise web app for online retail: (Web/Android - <http://bit.ly/2i7D2W0>)

August 2016- December 2016

Technology stack: NodeJS, Angular JS/RabbitMQ/Mocha/JMeter, MySQL/*MongoDB*/Redis, Ionic, REST, TDD

- Developed a web application for online retailing and auctioning personal apartments and monitoring user activity.
- Load tested the application with JMeter for 10,000 concurrent requests.

Raft Distributed Consensus Algorithm: (Scripting – <http://bit.ly/2hTSvrw>)

October 2016- December 2016

Technology Stack: *Java*, Python, JavaScript, RabbitMQ, Redis, Git

- Implemented raft distributed consensus algorithm along with graphical visualization of cluster node states using a web dashboard and data replication mechanism across all the cluster nodes.
- Implemented algorithm in Java with RabbitMQ for inter node communication.

2D Game using Software Design Patterns: (Game development- <http://bit.ly/2Fy1M59>)

August 2016- December 2016

Technology Stack: *Java*, MySQL, AWS, Docker

- Designing 2D game in Java with the implementation of the design patterns & Agile methodology.
- Hosting this multiplayer game on AWS with Docker hub for CS-unplugged initiative.

Research Papers:

Published in *International Journal for Computer Application (IJCA)*

- Spammer Detection by extracting Message Parameters from Spam Emails [Link - <http://bit.ly/2epS5XW>]

July 2013

Certification and Training:

- Oracle Certified Java SE6 Programmer
- Oracle 10g Fundamental-1 and Fundamental-2 workforce Development Program

October 2011

August 2011