

# GAURANG MHATRE

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## Seeking internship opportunity as a Software Engineer

### Education:

- **Masters in Software Engineering** at San Jose State University (SJSU), San Jose, California (**GPA: 3.6/4**) **2016-2018**
- **Bachelor of Computer Engineering** at Mumbai University, India (**GPA: 3.3/4**) **2011-2014**

### Skills:

**Languages:** Java, C#, C++, C, Python, Ruby

**Cloud & DC:** AWS, IBM Bluemix, Hadoop, Docker

**Microsoft :** WCF, WPF, SSIS, SSRS

**OS :** Linux/Unix/Raspbian, Windows, Mac

**Web :** Node JS, Angular JS, JavaScript, jQuery, React

**Databases :** MySQL, MongoDB, Cassandra, Spark, Redis

**Libraries :** RabbitMQ, D3 JS, High Charts, Passport JS

**Testing :** Junit, NUnit, JMeter, Mocha

### Work Experience:

**Software Engineer** at Gravitas, Mumbai

**Jul 2014-Apr 2016**

- Developed a strong background in **JavaScript, AngularJS** and **ASP.net** to process large datasets with LINQ.
- Implemented database architectures using stored procedures, document Libraries for two hedge fund clients.

### Projects:

#### Portfolio Rebalancer

**Feb 2016-Apr 2016**

**Technology Stack:** ASP.NET, Angular JS/CSS3, MS SQL

- 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.
- Developed SQL logic for rebalancing the portfolio and designed Data Definition Layer for the same with SQL Metal.

#### Fir tree partner's data Importer

**Aug 2014-Dec 2014**

**Technology Stack:** C#, MS SQL 08, SSRS

- Implemented a service in C# to import >10,000 daily transactions from 9 different prime brokers which impacted in optimized data load process on start and end of the day for the client.
- Developed SSRS reports to identify missing data and files which impacted in reduced diagnosis time by half.
- Led a team of 2 interns to set-up 70+ SQL based feed configurations for ETL in 2 months.

### Academic Projects:

#### Enterprise web app for online retail: (SJSU) [Github - <http://bit.ly/2i7D2W0>]

**Aug 2016- Dec 2016**

**Technology stack:** Node JS, Angular JS/RabbitMQ/Express/Mocha/JMeter, MySQL/MongoDB/Redis, Ionic, Git

- Developing a web application for online retailing and auctioning leaving space with message queues and Node JS.
- Testing the application with JMeter and Mocha.

#### Horo: Learning platform for homeless people: (SJSU) [Github - <http://bit.ly/2hYF5Mf>]

**Oct 2016- Dec 2016**

**Technology Stack:** Node JS/ Python, JS/CSS3/jQuery/Angular JS, AWS S3/EC2, Cassandra/Memcached, Git

- Developed a web-based platform for connecting half a million homeless people with 1000+ NGOs, personal trainers, employers to help them acquire new skills, find an appropriate job and recover from their financial crisis.

#### CS unplugged game using Software Design Patterns: (SJSU) [Github - <http://bit.ly/2h3VtNE>]

**Aug 2016- Dec 2016**

**Technology Stack:** Java, Greenfoot, Restlet, AWS, Docker, Git

- Designing a game in Java for children under 15 to help them learn cryptography and data-structures.
- Implementation in java with decorate, state and observer design patterns with Agile methodology.
- Hosted the game on AWS with Docker hub.

### Research Papers:

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

- Spammer Detection by extracting Message Parameters from Spam Emails [Link - <http://bit.ly/2epS5XW>] **2013**
- Sound Mixing and Recording on Mobile Devices [Link - <http://bit.ly/2eAkFcz>] **2014**

### Certification and Training:

- Coursera: Computer Networks by David Wetherall- University of Washington **2014**
- Oracle Certified Java SE6 Programmer **2011**
- Comfortable Ping-pong and foodies. **2017**