

## Drusti Hitesh Thakkar

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### SUMMARY

MS Software Engineering student with 3 years, 10 months of experience as a Software Engineer Analyst.

### EDUCATION

San Jose, CA	San Jose State University – MS Software Engineering	Aug 2018 – May 2020
Mumbai, India	Mumbai University – BE Electronics Engineering	Aug 2010 – May 2014

### TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript, C++
- **Web Frameworks/Technologies:** NodeJS, PassportJS, ReactJS, Redux, AJAX, jQuery, HTML5, CSS, Bootstrap
- **Database:** MS SQL, MySQL, MongoDB
- **Software Development Models:** Agile Development – Scrum and Kanban
- **Cloud Technologies:** AWS EC2, AWS RDS, AWS Cloud9, Docker, Kubernetes, Heroku, Vcloud, TeamCity
- **Tools/Others:** Team Foundation Server, SVN, Git, RabbitMQ, Selenium, Microsoft Test Management
- **Operating Systems:** UNIX/LINUX, Mac OS, Windows

### ACADEMIC PROJECTS

**Multi-tenant food ordering application** [Docker, AWS EC2, AWS Loadbalancer, ReactJs, Redux, HTML, CSS, MongoDB, Riak KV, Go]

- Developed a food ordering system for multiple tenants using React for front end and Go for backend
- Implemented AKF scale cube through Mongo DB sharding, cloned APIs and functionally independent APIs.
- Deployed APIs on AWS EC2 instances as dockerized applications.
- Ensured high availability of the system through AWS load balancer and auto scaling.
- Introduced a partition in the Riak KV cluster to test the behaviour of the NoSQL cluster as an AP system.

**Campground Web Application** [HTML, CSS, Bootstrap, NodeJS, PassportJS, AJAX, jQuery]

- Developed a web application for a camping ground system.
- Added features such as authentication and authorization using PassportJS.
- Other features included manage posts/comments, manage account, upload/update camping ground photos.

**Docker GUI** [HTML, CSS, Bootstrap, NodeJS, ElectronJS, Docker]

- Leveraged ElectronJS to develop a desktop application using web technologies such as HTML, CSS and JavaScript.
- Application supported features to start, stop, pause, remove and view logs of docker containers.
- Other features included spinning up new containers from default images supported.
- The application was integrated with docker hub.

### WORK EXPERIENCE

**Software Engineering Analyst , Duckcreek Technologies, India**

- Automated ETL end-to-end testing process, thereby reducing execution time to 4 hours from 48 hours.
- Lead the configuration management module at the offshore office to decrease the dependency on onshore team.
- Designed and modified existing test cases based on root cause analysis thereby reducing defect count by 60%.
- Worked on all levels of the testing life cycle as a part of features and hotfix team

**Software Engineering Analyst, Accenture Services Pvt Ltd, India**

- Developed automated test scripts using Selenium with JAVA to reduce script execution time from 1 day to 1 hour.
- Developed VBA script to create defect reports according to functional components which helped developers focus on pain areas and reduce defect count by 30%.
- Developed a reporting dashboard to show live client defect reports which aided higher management to analyse the performance of the system.