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## Objective

Seeking Internship positon in the field of Software Engineering for Summer 2016

## Education

**San Jose, CA** **San Jose State University** **Expected: Fall 2017**

M S in Software Engineering with focus on Cloud and Enterprise distributes systems GPA: 3.77/4.0

**Current courses:** Cloud Services with Hadoop, Dockers and Virtualization

**Bangalore, India** **Bangalore Institute of Technology** **August 2011- June 2015**

B E in Computer Science GPA: 3.5/4.0

## Technical Skills

**Languages:** C, Java **Databases:** MongoDB, Redis, Cassandra, MySQL

**Web Technologies**: HTML5, CSS, Bootstrap, Javascript, AJAX, Node.js

**Others:** Amazon Web Services, Heroku, Git, Maven, Cloud9 IDE, Eclipse IDE, MATLAB

## Professional Experience

**Intern | Web developer** **Willron Technologies, Bangalore** **February - May 2015**

- Worked on front end of the Java project on managing the cloud data using third party authentication
- Involved designing the portal for users, administrators and TPA's using HTML and JS technologies
- Assisted on LIC Premium Calculator Web application for an Insurance scheme
- Developing, hosting the company website and documentation of other company projects.

## Academic Projects

**Cloud Scale Bitly Like URL Shortener** **Node.js | Amazon Beanstalk | RabbitMQ | MongoDB | Redis | Heroku**

- Developed Heroku based web application to accept long URL's and display its trend statistics (HTML and Node.js)
- Deployed Node.js shortener and redirect servers with load balancing on AWS Beanstalk instances
- Used RabbitMQ for message queuing, MongoDB for persistence and Redis cache for faster redirection

**Gateway to Self Driving Cars** **Java | Jersey | MongoDB | Apache Tomcat | HTML | AJAX**

- Java REST-API based web application to prototype lane changing and adaptive cruise control gateway system
- Followed the specifications defined in OMA LightweightM2M protocol for the client server implementation
- Involved bootstrap and registration server for the service enablement and MongoDB as persistence database

**Testing NoSQL Partition Tolerance** **Amazon EC2 | VPC | MongoDB**

- Analyzed CAP theorem by partition mode and recovery in Mongo DB using 5 nodes on Amazon EC2 instances
- Used Network access control lists in AWS to create partition on Amazon VPC over the nodes
- Deployed master slave replication on MongoDB, analyzed slave promotion as the new master during partition

**Automated Malaria Parasite Detection** **Undergraduate Project | MATLAB**

- Detected the count of malaria infected RBC cells in digitalized blood smears using Image Processing techniques
- Used the color and diameters of cells as a parameter to distinguish infected cells from the normal RBC cells
- Implemented pre-processing, feature extraction, segmentation and morphological operations in MATLAB

## Achievements

- Publication: "Automated Malaria Parasite Detection based on IP" under IJRTS Vol. 3, Issue 2, Jan 2016
- Volunteered and attended the Silicon Valley Code Camp 2015 held at Evergreen College, San Jose
- Undergraduate Project was sponsored by KSCST, India for innovative project list under 38$^{th}$ Series SPP 2015