
EDUCATION**Master of Science in Software Engineering**

San Jose State University, San Jose, CA, USA

Expected Graduation: Dec'17

GPA: 3.8/4.0

Bachelor of Engineering in Computer Engineering

Gujarat Technological University, Ahmedabad, GJ, India

May'14

GPA: 3.45/4.0

Relevant Coursework: Data and file structure, Algorithm design and analysis, Web and data mining, Enterprise distributed systems, Adv. Computer network, Enterprise application development, Object oriented analysis and design.

TECHNICAL SKILLS

Programming Languages: NodeJS, PHP, Java, C, Python (Basic)

Operating System: Linux, Mac, Windows (all versions)

Databases/Middleware: MySQL, MongoDB, RethinkDB, IBM DB2, SQLite, Redis, RabbitMQ

Web Technologies: AngularJS, HTML5, CSS3, JavaScript, JQuery, Netty, ProtoBuf, AJAX, XML, JSON, Bootstrap

Test Frameworks and Tools: JMeter, Mocha, GIT, Android Studio, Sublime, Eclipse, Komodo, Workbench, IBM Bluemix

WORK EXPERIENCE**Web Developer at eZee Technosys Pvt. Ltd. Surat, India**

June'14 to Dec'14

eZee Absolute - Online Hotel Management System**Project website:** - [eZee Absolute](#)

- Developed logic to fetch signed agreement policy pdf from email using IMAP function from customers. Reconstructed parking lot allotment system based on selected suites.
- Implemented system in [Delsuites.com](#) to automate email alerts to the customers like pre-arrival, welcome, reminder, feedback email using Cron job.

Technologies: PHP Prado Framework, MySQL, JQuery, CSS, Bootstrap, REST API, JSON

ACADEMIC PROJECTS**Fluffy****GitHub Link:** - [Fluffy](#)

- Built an FileEdge architecture which has massive file transfer processes (with data chunking), distributed image storage and real-time monitoring of work and data as they enter the network of servers (Inter or Intra cluster).
- Designed and developed a work stealing algorithm, integrated Raft consensus algorithm, managed network failure and recovery with data replication.

Technologies: Java, Netty Framework, Raft consensus, Google ProtoBuf, RethinkDB, Redis**Amazon Fresh Prototype (Team Leader)****GitHub Link:** - [Amazon](#)

- Led a team of five to develop marketplace which is a replica of amazon fresh market with all its functionalities.
- Managed 10,000 products, 10,000 customers and 100,000 billing records to the system and created performance graph with/without RabbitMQ and Redis (On search suggestion) using JMeter and Mocha.

Technologies: NodeJS, MongoDB, MySQL, RabbitMQ(MOM), Redis (In-Memory Cache and Message Broker), Passport (Authentication Middleware), AngularJS.**Beacon@Airport (Team Leader)****GitHub Link:** - [AirportBeacon](#)

- Airport Beacon is IoT based android application and web service. When a user enters into proximity of beacons, s/he will be getting notifications and the application provides online boarding pass by passenger's PNR number.
- Developed an android application which sends notifications like which path to take and which path to avoid in case of a virus outbreak or terrorist threats.

Technologies: Java, NodeJS, MongoDB, AngularJS, IBM Bluemix, Amazon AWS**Twitter Replica****GitHub Link:** - [Twitter](#)

- Developed twitter replica which involves some of the functionalities like tweet, follow, unfollow, like, retweet etc.
- Tested with/without connection pooling using JMeter and Mocha for different versions of the application.
- Three versions: NodeJS + MySQL | MEAN stack with RabbitMQ | SOAP web service using JAX-WS

Technologies: Java, NodeJS, MongoDB, MySQL, RabbitMQ, AngularJS, Heroku

PERSONAL PROJECT**FoodFire (Mobile Friendly -- Responsive)****Project website:** - [FoodFire.In](#)

- Designed and developed complete (Front/Back end) website of online food ordering system with different features like user's recent activity using SSE, front end restaurant sorting, autocomplete on restaurants etc.

Technologies: PHP Laravel Framework, MySQL, JavaScript, HTML SSE, JQuery, Bootstrap, Cron Job, GoDaddy.**Opportunity Hack (Hackathon, organized by PayPal, IBM and SVCC):** Designed an algorithm to provide suggestions of labors based on 19 rules, provided by NGO (SF Day Labor Program and Women Collective) and employer requirements.