

SWAROOP ARADHYA

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Available to work full-time starting June 2017

Education

MS in Software Engineering

Fall 2015 - Spring 2017

San Jose State University | San Jose, CA

Coursework: Cloud Technologies, Enterprise Distributed Systems, Cloud Services with Docker, Web UI Design, and Big Data

B.E. Computer Science

August 2011 - June 2015

Bangalore Institute of Technology | Bangalore, India

Employment

Intern - DevOps

Verint Systems, Santa Clara

January 2017 - Present

- Supporting the CI/CD team to enable the build infrastructure for Verint WFO platform using Jenkins, Java, Groovy and Gradle stack
- Implementing Jenkins pipeline, debugging build errors and related dependencies management for integration and release streams
- Designing Jenkins 2 pipeline as a code using Groovy DSL to automate tasks on sustaining and hotfix management

Software Intern

Willron Technologies, Bangalore

February 2015 - May 2015

- Designed Web UI using HTML and jQuery for a cloud project which involved portal for users and admin to manage files
- Implemented backend system for web based insurance premium calculator application using Java and Oracle 10g database
- Gained experience during undergraduate final semester working with startup team on all stages of SDLC

Projects

Cloud Scale Bitly Like URL Shortener

Node.js | RabbitMQ | MySQL | Redis | AWS Beanstalk

- Developed Heroku based web application to submit long URL's and display its trend statistics
- Used CRC-32 for hashing, deployed Node.js shortener and redirect servers with load balancing on Amazon beanstalk instances
- Utilized RabbitMQ for message queuing, MySQL as main database and Redis cache for faster redirection

Box Office Success Predictor (Master's Project)

Spark ML | Java | MongoDB | Python | Angular.js | AWS

- Developed AWS based cloud application to predict the success of upcoming movie using available datasets and social media
- Fetches reactions from Facebook, trailer statistics from YouTube for the movies and performed NLTK sentimental analysis
- Utilized Spark ML to determine the fate of an upcoming movie by using decision tree classifier algorithm on preprocessed data
- Used MongoDB to store result dataset, Angular.js to design UI dashboard for moviemaker and general user to get statistics

Interest book

Node.js | Angular.js | MongoDB | RabbitMQ | AWS EC2

- Developed a social networking application to like, share interests using MEAN stack and hosted it on Amazon EC2 instances
- Used RabbitMQ as messaging broker between client and server, MongoDB for database and storage of sessions
- Involved user functionalities such as signup, login, about, homepage, search and add friend features

OMA LWM2M Gateway for Cars

Java | REST API | MongoDB | HTML5 | jQuery

- Developed Java REST API based web application to prototype lane changing mechanism with LWM2M client server protocol
- Involved bootstrap and registration server for the service enablement and MongoDB as persistent database.

Food Rescue – Opportunity Hack 2016

Android Application | MongoDB | Twilio

- Developed an android application to connect restaurant owners to deliver excess food to nearby needy people
- Implemented backend web services using Java REST API and MongoDB database, text messaging using Twilio and ngrok

Garage Sale

MEAN STACK | AWS EC2

- Developed a simpler version of Craigslist application using Node.js, Angular.js and AWS to post sale of household items
- Involved no signup to post sale and to access the dashboard. Involved search filters based on price, location and category

Technical Skills

- Programming:** Java, JavaScript, C, Python
- Web Technologies:** Node.js, Angular.js, jQuery, HTML5, CSS3, Bootstrap
- Tools:** AWS, Docker, Hadoop MapReduce, Jenkins, Git, Gradle, MySQL, MongoDB, RabbitMQ