

EDUCATION

AUG 2015
MAY 2017

SAN JOSE STATE UNIVERSITY
Master's Software Engineering

SAN JOSE, CA

AUG 2011
JUN 2015

BANGALORE INSTITUTE OF TECHNOLOGY
B.E Computer Science

BLR, INDIA

WORK EXPERIENCE

FEB 2015
MAY 2015

WILLRON TECHNOLOGIES
Internship

BLR, INDIA

Designed UI for a cloud project which involved portal for users and administrators to manage files. Worked on web based insurance premium calculator for a scheme using Java. Documented business and technical requirements, architecture for company projects

PROJECTS

BREVI

Developed Heroku based web application to accept long URL's . Deployed Node.js shortener and redirect servers with load balancing on AWS Beanstalk instances Used RabbitMQ for message queuing, MySQL for persistence and Redis cache for faster redirection

INTEREST BOOK

MEAN stack social networking application on AWS EC2 container services to like, share interests on music, show and sports. Used RabbitMQ as messaging broker between client and server and MongoDB for session storages

FOOD RESCUE - SVCC HACKATHON

Developed an android application to connect restaurants owners to deliver excess food to needy people . Responsible for developing backend web services using Java, MongoDB. Used Twilio and ngrok for sms messaging with the app

OMA LWM2M GATEWAY FOR DRIVERLESS CARS

Developed Java REST api based web application to prototype lane changing and adaptive cruise control. Involved bootstrap and registration server for service enablement that followed OMA LWM2M protocols

TESTING NoSQL PARTITION TOLERANCE

Analyzed CAP theorem on MongoDB with partition mode and recovery. Used network access lists in AWS to create partition on VPC with five EC2 nodes.

SWAROOP

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PROGRAMMING

C
SQL
JAVA
HTML + CSS
JavaScript, AJAX
Node.js, Express.js

TOOLS

Amazon Web Services
Hadoop MapReduce
Dockers
RabbitMQ
MATLAB
MongoDB, MySQL

COURSES

Cloud Technologies with Node.js
Enterprise Distributed Systems
Cloud Services with Hadoop & Dockers
Big Data
Virtualization

RECOGNITION

Received certificate of merit from state governor for academic excellence in X

Undergraduate project on Image Processing selected by KSCST, India under innovative project list-SPP 2015
Team members: 4

INTERESTS

Attending and volunteering tech summits
Car enthusiast
Hiking