

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

BENGALURU, INDIA

WORK EXPERIENCE

JAN 2017
PRESENT

VERINT SYSTEMS
DevOps Intern

SANTA CLARA, CA

- Supporting the primary DevOps team in CI/CD
- Implementing Jenkins pipeline with Gradle, Docker and Puppet configuration tools to enable the build infrastructure

FEB 2015
MAY 2015

WILLRON TECHNOLOGIES
Internship

BENGALURU, INDIA

- Designed Web UI using HTML and jQuery for a cloud project which involved portal for users and admin to manage files
- Implemented backend services for web based insurance premium calculator application using Java and Oracle 10g

PROJECTS

github.com/swaroopmc

BREVI - CLOUD SCALE NODE.JS URL SHORTENER ON AWS

- Developed Heroku based web application to accept long URL
- Deployed Node.js based control 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 CONTAINERIZED APP

- Developed social networking application to share interests using Node.js and Angular.js on AWS EC2 container services
- Involved signup, homepage, search and add friend features
- Used RabbitMQ as messaging broker between client and server, and MongoDB for session storages

NEXRAD - WEATHER DATA STUDY USING SPARK

- Developed spark based application to find higher rain and precipitation regions in California region
- Fetched NOAA weather radar data and stored in AWS S3 bucket
- Stored results in IBM dashDB and visualization using Tableau

FOOD RESCUE - ANDROID APP FOR OPPORTUNITY HACK 2016

- Developed an android application to connect restaurant owners to deliver excess food to needy people
- Developed backend web services using Java and MongoDB
- Included text messaging to app using Twilio and ngrok tunneling

OMA LWM2M GATEWAY FOR DRIVERLESS CARS

- Designed Java RESTful web application to prototype cruise control
- Used LWM2M protocol for bootstrapping and registration service

SWAROOP ARADHYA

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[swaroopmc.github.io](https://github.com/swaroopmc)

TECHNICAL SKILLS

Programming: Java, JavaScript, C, Python(Beginner)

Web Development: HTML5, CSS3, jQuery, Angular.js, Node.js, REST API

Databases: MySQL, MongoDB

Tools: Hadoop MapReduce, Spark, Docker, AWS, Jenkins, Git, Gradle, RabbitMQ

COURSES

Cloud Technologies with Node.js

Enterprise Distributed Systems

Cloud Services

Big Data

Web UI Development

Virtualization

RECOGNITION

Undergraduate project on Image Processing selected by KSCST, India for sponsorship

Publication: "Automated malaria parasite detection based on Image processing"
IJRTS Vol. 3. Issue 2. Jan. 2016

INTERESTS

Attending technical conferences

Volunteering: SVCC, DeveloperWeek