

Rohit Kotalwar

Software Engineer

Disciplined, innovative and self-starter Software Engineer with a strong educational background and experience, seeking a challenging Full Time Position starting 2018 in the field of Software Engineering, Cloud Technology and Software Define Network.

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WORK EXPERIENCE

Software Developer Intern - Internet of Things

F5 Networks Inc

06/2017 – 08/2017

- Developed Web Application using MEAN Stack for IoT framework and Integrated with BIGIP(F5 Product).
- Created the provision to Configure IoT Framework, incorporated access Rules in IoT application.
- By Using IapLX application can create and configure MQTT Servers, also developed Access Management for these MQTT Servers
- Experienced with UI framework and interfacing with REST API's using MEAN Stack.
- Hands on Experience using Continuous Integration Tools such as Peforce, Git and Jenkins.
- Hands on Experience using HTML, CSS, ANGULARJS and NODEJS.

Graduate Research Assistant

San Jose State University

08/2016 – 12/2016

- Researched and developed Routing and Load balancing application using SDN Floodlight Controller.
- Developed Intrusion Detection system using SDN Floodlight and SNORT IDS. Simulated various attacks to determine the agility of SDN.
- Determined Performance Analysis of SDN during various types of attacks.
- Written User Rules for Snort, for detecting the attack

System Software Engineer Trainee

Infosys Limited

06/2014 – 01/2015

- Successfully Completed extensive training on technologies such as PHP, Perl, Java, MySQL.
- Developed prototypal Insurance web application.
- Designed Software Requirement Specification Plan for the Prototype.

EDUCATION

Master of Science, Computer Engineering

San Jose State University

01/2016 – 12/2017

Bachelor of Engineering, Computer Engineering

University of Mumbai

08/2010 – 05/2014

SKILLS



PERSONAL PROJECTS

Designing and Developing an Infrastructure for Data insight in Software Defined Networks (08/2017 – Present)

- Capturing Real Time Packet using Pycapa and storing it into the Kafka. Converting Raw data of Network Packets into JSON Object.
- Classifying data and forming the clusters. Analyzing the clustered data and take the particular actions accordingly.
- Project Sponsored by VMWare Inc.

Twitter Prototype (01/2017 – 05/2017)

- A Prototype application similar to twitter using Node.js, Angular.js, Bootstrap, HTML5, RabbitMQ
- Successfully replicated functionalities of tweet, retweet, follow , hash tagging and searching.
- Introduced RabbitMQ to enhance the performance.

Cloud Infrastructure for Mobile Sensor Network (08/2016 – 12/2016)

- Developed Web application for GPS Tracking System.
- Developed Android Application which keeps track of location.
- Used Cloud services such as AWS EC2, Elastic Load Balancer, Resource Management using Scalability.

Multithreaded Video Streaming Application (01/2016 – 05/2016)

- Developed application for streaming and signaling data using RTSP and RTP protocol. Multicast support for video streaming.
- Unicast support for video streaming using multithreading. Deployed server on Amazon Ec2, used S3 to store videos.
- Used Jmeter for performance testing for over 1000+ requests to the server.

Cloud Box (01/2017 – 05/2017)

- Developed Dropbox like application, Implemented features like uploading, deleting, downloading and listing all the files.
- Implemented the features like sharing the file with other users.

PUBLICATIONS

Data Mining: Evaluating Performance of Employee's using Classification Algorithm Based on Decision Tree. I

RACST – Engineering Science and Technology: An International Journal (ESTIJ), ISSN: 2250-3498. Vol.4, No. 2, April 2014.

Robust and Agile System against Fault and Anomaly Traffic in Software Defined Networks.

Appl. Sci. 2017, 7(3), 266; doi:10.3390/app7030266.
<http://www.mdpi.com/2076-3417/7/3/266>