

SUMMARY

Software Engineering Graduate student with 3 years of Full Stack development experience, seeking internship opportunity

EDUCATION

M.S, Software Engineering, GPA – 3.4
B.Tech, Computer Science, GPA – 3.9

San Jose State University, CA
Punjab Technical University, India

May'17(Anticipated)
May'08 – May'12

TECHNICAL SKILLS

Programming Languages : Java, Shell Script
Web Technologies : JavaScript, Node.js, Express.js, AngularJS, J2EE, Struts, Hibernate, REST, SOAP, HTML5, XML
Cloud : Puppet, Ansible, CloudFormation, Amazon Service Catalog, Amazon web services (AWS), IBM Bluemix
Smartphone Application : Apache Cordova, Ionic
Database : MySQL, Oracle, MongoDB (NoSQL), Redis
Big Data Analytics : Hadoop MapReduce
Others : RabbitMQ, Jira, JUnit, Apache JMeter, Mocha, Eclipse, GIT, Tomcat Server, Putty

EMPLOYMENT

Advance Solution Architect, Intern

AVAYA INC.

June'16 – Present

- Automated the shutdown of **AWS EC2** instances, when not in use, to save cost.
- Designed application deployment architecture on AWS and automated servers configurations using **Puppet, Ansible**.
- Leverage tools like **Amazon Service Catalog** and **CloudFormation** for real time application packaging and service provisioning on customer AWS account.
- Automated the creation of VPC, Security Group, Internet Gateway, Instances, network interfaces, Public/Private Subnets, Route tables and Routes using **CloudFormation**.
- Automated the deletion of **Amazon AMI's, Volume's and Snapshot's** collectively, when no longer required.

Software developer

TATA Consultancy Services

March'13 – August'15

- Worked on TCS B@NCS, a comprehensive system to automate security processing, corporate action and payment processing.
- Designed and developed software components using **Java, JavaScript and Shell Scripting**.
- Analyzed customer requirements and effectively implemented business middleware software using **Struts, relational database and object relational mapping software using Hibernate**.
- Reduced batch processing time to 60% by finding and removing inefficient resource consumption patterns from the products.
- Worked closely with management to ensure release deadlines using Agile SCRUM methodology.
- Designed and developed new interfaces for processing Bloomberg and DTCC feed files using XML, XSL and Java.
- Product Application tuning and testing the Database related performance over SQL execution hits.

ACADEMIC PROJECTS

Automation on Cloud | Puppet, AWS, AWS Elastic Load Balancer, MongoDB, Node.js

SJSU - fall'15

- Automated MongoDB Sharding on EC2 instances to get scalability and data replication.
- Automated software installations and configurations on Amazon EC2 instances using Puppet.
- For high performance and availability, Used Elastic Load Balancer for distributing clients requests on available servers.
- Implemented a NoSQL common cache for all servers using Redis.

Ecommerce Application | Node.js, AngularJS, MySQL, MongoDB, Redis, RabbitMQ, JAVA Web Services

SJSU – spring'16

- Developed Amazon Fresh replica as a 3-Tier web application with modules including Farmer, Customer, Admin, Billing and Purchase History using MEAN Stack.
- Used Advance Messaging Queuing Services (RabbitMQ) for decoupling the communication between client and server.
- Implemented NoSQL Caching and Connection Pooling for high performance and used NoSQL database for scalability.
- Implemented supply and demand algorithm for dynamic pricing and generated real time graphs for Statistical Analysis.
- Used JMeter for load testing and Mocha.js for asynchronous testing on node.js server.

PERSONEL PROJECTS

Payment Ways | AngularJS, Node.js, MySQL, MongoDB, Web Sockets, Ionic, Stripe, Apache Cordova

fall'15 – spring'16

- Successfully launched a Hybrid Smartphone Application that can be used by businesses like 7Eleven and Coffee vendors in taking order, generating bill and to take payments over secure network by scanning QR-Code from customer app.
- Connected to stripe gateway for real-time payment transactions and used socket IO to send push notifications to customers.
- Highly secure encryption and decryption of Credit Card details using RSA 2048 Public Private Key.

Information Placement in Virtual Reality 360° Content| Python, Open CV, Mat lab

LinkedIn – summer'16

- Developed software for view based adaptive information placement in virtually real 360° contents.
- Useful in dynamically modifying 360° videos and displaying advertisement, important information that you do not want viewers to miss in virtually real content.
- Ranked in top 10 winning teams at LinkedIn 2016 intern heck day.