

SHUBHAM SHARMA

Boston, MA, 02115 | shubhamsharma1646@gmail.com | (857)-241-0894
linkedin.com/in/shub1646 | github.com/shubh1646

EDUCATION

Northeastern University, Boston, MA

Dec 2020

Master of Science in Computer Software Engineering

Relevant Courses : Algorithms & Data Structures, Smartphone Web Development, Cloud Computing

Jaypee Institute of Information Technology, Noida, India

June 2017

Bachelor of technology in Electronics and Communication

TECHNICAL SKILLS

Programming Language:	Java, Python, Javascript, Swift
Frameworks:	Node.js, Express.js, React, Spring Boot, Hibernate, Flask
Databases:	MySQL, MongoDB (No SQL), Redis, Elasticsearch, DynamoDB
Cloud Technologies:	AWS, Docker, Kubernetes
Automation/Testing :	Ansible, CircleCI, Jenkins, Chai, mocha, nyc

EXPERIENCE

Alkermes Inc, Waltham, MA (Software R&D Co-op)

Aug 2019 - Dec 2019

- Redesigned python flask file upload application and migrated it to AWS cloud improving performance by ~12%
- Designed front end using HTML/CSS, javascript and boto3 which allowed user to upload files and images to s3
- Implemented a S3 triggered lambda service for copying files from s3 and write it to oracle database
- Enhanced the user interface of application build in Vue.js by adding new functionalities which improved its data processing time by ~20%
- Deployed and auto-scaled micro-services applications on Kubernetes cluster using YAML

Graduate Research Assistant, Northeastern University

Aug 2019 - Nov 2019

- Designed and created VR objects in Unity for a project which studied the effect of exercise on cognition abilities

Infosys Limited, Mysore, India (System Engineer Trainee)

Feb 2018 - Aug 2018

- Created customized reports and user interface using web Dynpro
- Resolved Bugs and wrote new Python scripts to clean data using Numpy and Pandas

PROJECTS

Cluster Orchestration | (Kubernetes, Docker, Jenkins, Ansible, AWS)

Jan 2020 - May 2020

- Designed and build highly available and reliable stateful and stateless application using AWS and kubernetes
- Implemented CI/CD of containerized application to Kubernetes using Jenkins
- Deployed and administered a highly available auto-scaling Kubernetes cluster using Ansible playbook
- Deployed Prometheus for metrics and Elasticsearch, Fluentd and Kibana for logging using Helm charts

Cloud Spring Boot Cloud App | (AWS, Spring Boot, JAVA, Circle CI)

June 2019 - July 2019

- Automated creation of AWS resource via cloudformation to host Rest API's written in java using Spring Boot
- Integrated services like Dynamo DB, AWS RDS, AWS lambda, cloud watch, SNS, SES
- Implemented CI/CD pipeline using CircleCI and AWS Codedeploy and maintained logs and metrics on AWS CloudWatch
- Set up auto scaling and load balancing for application to scale dynamically based on incoming traffic

Online Publishing Platform (personal) | (Node.js, express, MongoDB, Passport.js, AJAX)

- A medium-clone built with functionality like writing, publishing and commenting on articles
- Created unit test using mocha, chai and generated test coverage reports with nyc
- Set up logging service using ELK stack

Draw It Out (personal) | (Node.js, socket.io, javascript, Canvas, AWS)

- Created a real time white board web based application using node and socket.io which allowed multiple user to chat, draw and collaborate in real time from geographically diverse locations

ACHIEVEMENTS & CERTIFICATIONS

Hackathons Won : MIT Hack For Inclusion 2019, Cybershiriti 2017

Certification : Certified Kubernetes Application Developer (CKAD), AWS Certified Cloud Practitioner (CLF)