

SHUBHAM SHARMA

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EDUCATION

Northeastern University, Boston, MA Dec 2020

Master of Science in Computer Software Engineering

Relevant Courses : Algorithms & Data Structures, Smartphone iOS, 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
Frameworks: Node.js, Express.js, React, Spring Boot, Hibernate, Flask, MVC
Databases: SQL, MongoDB (No SQL), Redis, Elasticsearch, DynamoDB
Cloud Technologies: AWS, Docker, Kubernetes
Automation/Testing : Ansible, Jenkins, Chai, mocha, nyc, Junit, Jmeter, GitHub

EXPERIENCE

Intuit, Mountain View, CA (Software developer-Full Stack) March 2021 - Present

- Designed, deployed and administered Kafka consumers instances handling (~200k events per day) on Kubernetes cluster through CI/CD pipeline and monitored them using Wavefront and splunk Dashboards
- Designed and built state machines for consumers, making them more fault tolerant and reliable
- Designed and developed reusable react widgets used by agents to service quickbooks customers
- Integrated react widgets with serverless functions which updated records in the DynamoDB tables
- Implemented rigorous unit tests for AWS Python Backend (PyTest, Mock, Moto) and React.js frontend (Jest & Enzyme) improving test coverage from 78% to 100%

Alkermes Inc, Waltham, MA (R&D Software Developer Co-op) Aug 2019 - Dec 2019

- Redesigned python flask file upload application and migrated it to AWS cloud infrastructure
- Implemented a S3 triggered lambda service for copying files from s3 and write it to oracle database
- Designed data pipelines and automation solutions by creating RESTful micro services using python flask, SQL, docker and AWS
- Collaborated with engineers and scientist to develop in-house software and data solutions

ACADEMIC PROJECTS

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

- 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

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

- 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

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

- 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

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