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, Swift
Frameworks: Node.js, Express.js, React, Spring Boot, Hibernate, Flask, Vue.js, MVC
Databases: MySql, MongoDB (No SQL), Redis, Elasticsearch, DynamoDB
Cloud Technologies: AWS, Docker, Kubernetes
Automation/Testing :   Ansible CircleCI, Jenkins, Chai, mocha, nyc, Junit, Jmeter, GitHub
Others: Maven, REST, JSON, YAML, OOPS Design Patterns, Linux, Algorithms

EXPERIENCE

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 improving performance by ~12%
- 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%
- 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

Graduate Research Assistant, Northeastern University   Aug 2019 - Nov 2019
- Designed and created VR objects in Unity for a project which studied effects of exercise on cognition abilities

Infosys Limited, Mysore, India (System Engineer Trainee)   Feb 2018 - Aug 2018
- Created customized reports and user interface using SAP ABAP and 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

Event Management iOS Application | (Swift 4 , Firebase)   Mar 2019 - May 2019
- Designed and developed a multi role iOS application which allowed user to register, get tickets for events and view event details including maps and directions
- Implemented firebase authentication to enable user sign-in and used firebase real time for data storage

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