Dinakara Sai Santosh Burugupalli

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SUMMARY

Passionate Software and Cloud Engineer with demonstrated experience of 2 years in IT Engineering Domain. Hands on experience of about 2 years in Java, API development, SQL, AWS, Kubernetes and Apache Kafka

EDUCATION

Northeastern University, Boston, MA   **Expected Apr 2021**

Master of Science: Information Systems

Relevant Courses: Application Design Engineering, Algorithms & Data Structures in Java, Web Development Methods and Cloud Computing, DevOps

Manipal Institute of Technology, Karnataka, India   **Aug 2017**

Bachelor's in technology: Electronics and Communications, Technical Lead of Robotics and Circuits Student Chapter (2015-2016)

TECHNICAL SKILLS

Programming Languages	Java, JavaScript
Web Technologies	*Spring, Spring Boot, Hibernate, React*
Cloud & Platforms	AWS, Kubernetes, Docker, Apache Kafka, Redis
Database & Operating Systems	MySQL, MongoDB, Linux
Tools and DevOps	JIRA, Jenkins, J-Unit, GIT, Prometheus, Grafana, Terraform

PROFESSIONAL EXPERIENCE

Red Hat, **Boston –** *Cloud SRE Engineering Co-op (Software)*   **Jan 2020 - Jun 2020**

- Provided production level support for Massachusetts open cloud users & resolved 10+ cluster and application issues
- Devised, gathered application backend API by leveraging metering operator for Kubernetes resource management
- Developed web applications for client & server environments and add functionalities to existing applications
- Consult with customers on project status and technical concerns and monitoring to examine the application performance

Ribbon Communications, Bangalore, **India –** *Software Engineer*   **Dec 2017 - Dec 2018**

- Upgraded and enhanced *application framework*, to fasten software product application release process
- Developed applications using technologies like *PERL and Shell Script*. *Responsible to gather data from dev, test, prod teams*
- Performed regression testing for 7 product releases, debugged 10% of critical bugs during *strict product release deadlines*
- Developed automation scripts for high availability and provisioned IaC (Infrastructure as Code) using YAML templates

Ericsson, Chennai, India – *Software Developer Intern*   **Feb 2017 - Jul 2017**

- Designed *Java Script automation* framework for **Ericsson BSS** product Revenue Manager to *minimize release time* by 25%
- Worked on *JSON* based REST APIs to consume data from the server and Designed backend API using *Java* ***(Spring Boot)***
- Combined systems by working in a cross functional team to define, design, implement and ship new features
- Built ***Jenkins*** build pipeline to achieve *CI/CD* system for maintenance, improvements and *automating various features*

ACADEMIC PROJECTS

Query-Fit, *(Java, AWS, MYSQL, JavaScript, Docker)*   **May 2019 - Aug 2019**

- Deployed a ***Java, MYSQL*** application where users can put in. questions and answers, AWS cloud services
- Automated AWS (IAM, EC2, RDS, VPC, Serverless Lambda, Dynamo, Code Deploy, SNS, SES, ELB) deployment using terraform

Twitter Clone, *(Java, Redis, React JS, AWS, Docker and Kubernetes)*   **May 2020 - Sept 2020**

- Scalable, Reliable, and highly available application development using React, Redis and Java, Devised CI/CD system
- Deployed microservices successfully on the Kubernetes cluster using various K8's YAML files and exposed load balancer service

SCM Ecosystem, *(Java and OOP design)*   **Jan 2019 - Apr 2019**

- Devised ecosystem model in Java swing, to minimize several supply chain inefficiencies
- Applied ***OOPs*** design concepts to produce quality products, optimal inventory, less lead time & good throughput

Artificial Neural Networks, *(Java and Swing)*   **May 2019 - Aug 2019**

- Created a dynamic, flexible ***ANN*** framework, generated confusion matrix of errors for fashion, MNIST dataset
- Achieved 85% result accuracy by training neural network with 60000 object (10) images and 32000-digit images

Crowd Flow, *(JavaScript, Node JS, HTML5, CSS3, jQuery)*   **Jan 2019 - Apr 2019**

- Implemented a crowdfunding web-platform., where user can create/fund for a project, venture & social cause
- Utilized ***MVC*** principles, built a restful API using ***MEAN*** stack and Integrated PayPal to authorize user to donate funds