

Suresh Danasekaran

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Education

Master of Science: Computer Engineering, Aug 2019 - May 2021, University of South Florida - Tampa, FL

Key Courses: Algorithms and Data Structures, Operating systems, Computer architecture, Computer Networks, Brain-Computer Interface and Cryptography.

Bachelor of Technology: Electronics and Communication Engineering, May 2012 - Jun 2016

Sri Manakula Vinayagar Engineering College, Pondicherry University – Puducherry, India

Skills

Languages: Java, Python, C++

Technologies: GCP, AWS, Networking.

Database: PostgreSQL, MySQL, NoSQL, UDB and Oracle

Environment: Linux - RHEL, Ubuntu , Unix.

Tools: wireshark, tcpdump, kubernetes, docker, Logstash, Kibana, Splunk, Control M, AppDynamics, Elastic Search.

Expertise: Object oriented programming, Data structures and Machine Learning.

Technical Experience

System Engineer, Tata Consultancy Services, Chennai. Oct 2016 - Aug 2019

- Spearheaded java application development and production operations. Monitoring of various applications by setting up alerts in serviceNow. Resolved the technical issue within the given SLA to ensure high availability / up time of the systems.
- Wrote unix / shell scripts for various production critical jobs. Wrote technical documentation for use in training manuals and support materials. Made recommendations to improve technical practices.
- Identified bottlenecks and application issues through Splunk, ELK, Appdynamics. Worked as splunk admin for monitoring dashboards, saved searches.

Projects and other activities

- Created and deployed a web frontend application using Vue.js and Bulma CSS framework on Google App Engine that uses cloud storage and cloud firestore.
- Deployed a Spring Boot Java app to Kubernetes on Google Kubernetes Engine and also worked on various GCP technologies such as cloud load balancing, cloud storage, cloud SQL, cloud deployment manager and operations (stack driver)monitoring
- Developed both front end and back end of web applications in Java (Oracle certified Java developer), NoSQL, JS, HTML5 and CSS3. Experience in manual testing and maintenance of web applications. Gathered knowledge in the process of developing through the software development life cycle.
- Developed a basic OS using C that performs functions such as virtual memory management, Interrupts setup and handling.