

## **Suresh Danasekaran**

suresh3@usf.edu

891 E Knightsbridge Way, Gilbert, AZ - 85297. Ph: (813)-570-9721

LinkedIn: @sureshdanasekaran, Github: <https://github.com/sureshdanasekaran>

## **Objective**

Seeking Full time opportunity that will allow me to utilize my problem-solving skills and attention to detail to further develop my abilities in the field of Information Technology..

## **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 and computer Networks

**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:** , AWS, Networking - TCP/IP , routing protocols - BGP, OSPF, MPLS, ISIS, RIP

**Database:** PostgreSQL, MySQL, NoSQL and Oracle

**Environment:** Linux - RHEL, Ubuntu , Unix.

**Tools:** wireshark, tcpdump, Eclipse, Jupyter, Python IDLE, ELK, 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.
- Collected, analyzed, and reported program metrics, including products technical performance measures and key performance parameters.

## **Projects and other activities**

- Analysis of TCP/IP packets using wireshark.
- 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.
- Creation of path finder algorithm the problem( a predefined maze) as a graph and then use a DFS graph algorithm to solve the problem.
- Implementation of quicksort with median of three strategy, selection sort and insertion sort and comparing their runtime to validate them asymptotically
- Value added course on CCNA, Cloud computing, Java programming, Data science bootcamp.