Santhosh Alagiri Muthukumar

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SUMMARY

Result-oriented & meticulous software developer looking for challenging position where I can sharpen my leadership abilities through constantly encountering and solving business problems, and meeting targets. Interactive, willingness to learn and eager to adapt to new technologies.

EDUCATION

MS in Computer Science, NJIT, Newark, NJ .... Sept'21 - Present
Web Systems & Development | Data Management System Design | Internet & Higher Layer Protocol | Java Programming

BE in **Computer Science and Engineering,** Adhiyamaan College of Engineering, India .... Aug'12 – April'16

SKILLS

- HTML | CSS | Angular | React | Python | R | MySQL | JavaScript | REST API
- ERP Systems : SAP ERP | CRM | ISU
- Tools : Tosca | HP ALM | UFT | Eclipse | WordPress v4.4 | Visual Studio Code

WORK EXPERIENCE

Product Test Analyst - *Cognizant Technology & Solutions, Coimbatore, India* .... Apr'17 – Apr'19
- Collaborated with Business and Interface owners to understand the business process/interface design which helped in scripting process thereby eliminating manual work by **95%**
- Smart grid communication technology called Trilliant was used as a platform to test and control smart meter devices which effectively reduced **90%** customer complaints
- Primary source of contact among a **12** member team for a new sales application UI redesigned for easy purchase of energy utilities by the customers
- Trained **6** summer interns on the need of the hour automation technologies and handling crisis management during project delivery.
- Facilitated testing strategy for Unit testing, Regression testing and User Acceptance testing for all enhancements reducing production incidents by over **40%**
- Conducted Knowledge Transfer session to **5** new recruits and provided support on technologies during the training phase

Project Management & Development Intern - *Staunchire Technologies, Chennai, India* .... Dec'15 - Mar'16
- Made a responsive E-commerce website using Wordpress that had an interactive User Interface
- Integrated with multiple plugins including payment gateway, SEO tools(search engine optimisation tools), shipment tracking

PROJECTS

Quiz Application - *New Jersey Institute of Technology, USA (Summer Break)* [Github](#) .... June '22
- Created a quiz application using **Angular** framework and **Bootstrap** for the UI
- Created a login and registration page for users to keep track of their score and review the questions answered
- Developed a logic in **Javascript** for calculating the points for every correct answer in the most efficient way

SONAR ApacheMQ - *New Jersey Institute of Technology, USA* .... Nov - Dec '21
- Hosted an ApacheMQ server to communicate messages between a producer and multiple consumers written in Java following store and forward network topology
- Setup a Time To Live connection that kept the server's connection alive in the absence of any data arriving from the producer
- Generated a seven character authentication key wherein all authentic messages will be signed using this key

Packets and Delays - *New Jersey Institute of Technology, USA* .... Sept - Oct '21
- Developed a Sender and Receiver program in Java running on two different local servers to fetch a bunch of packets
- Proactively detected the loss and efficiency of a network through constant monitoring of packet transmission without using wrapper classes or Math libraries
- Packets were read off the wire using basic mathematical programming conversions

E-Library Application - *Adhiyamaan College of Engineering, India* .... Oct '15
- Hosted a reliable, fault tolerant E-Library Access System Application on **AWS** with Android Studio. **REST API** was utilized to communicate over the network using the http methods to access and use data

CERTIFICATIONS

- Tosca Automation Specialist Level 1 .... July 18
- Tosca Automation Specialist Level 2 .... Nov'18
- Toastmasters International Competent Communicator .... Mar'17

VOLUNTEERISM & AWARDS

- Associate of the Quarter, Going the Extra Mile (*Cognizant Technology Solutions,India Jan - Mar 2019*)
- Inter Carrom Championship Cognizant - 4th place (*Cognizant Technology Solutions,India Dec 2018*)
- Special Performer of the Team *(Cognizant Technology Solutions,India Oct - Dec 2017)*
- Presented a paper on "RWD based E-commerce website" in the TEQIP – II sponsored 3rd National Conference *(Government College of Engineering,India Mar 2016)*