Amith Gorthi Srinivasa Prabhakara Narasimha

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EDUCATION

Illinois Institute Of Technology   **Aug 2022 - May 2024 (Expected)**
Master of Science in Computer Science

BMS Institute Of Technology   **Aug 2014 - May 2018**
Bachelors of Engineering in Telecommunication Engineering

SKILLS SUMMARY

Languages: C/C++, HTML5, CSS3, Javascript, P4, NPL, Postman, Python 2/3
Frameworks: Angular 10, Node.js, Express JS
Platforms: Linux, Windows, Docker, AWS (S3, ECR, ECS, SQS, EC2)
Other: GIT, Microsoft Office, Curriculum Development, Dev-ops, MongoDB

EXPERIENCE

Opennets   Jan 2021 - July 2022
Software Engineer   Bangalore, India

- Contributed in the team by implementing Web-based IDE for Platform Agnostic Data Plane Programming using Javascript frameworks - Angular 10, NodeJS, ExpressJS and MongoDB database.
- A development tool to aid programmers that can automatically generate the programs in P4, NPL or any other Data Plane Programming Language will reduce the strain on the vendors and developers and thus achieve the productivity gains.
- Developed a single-page web application with a team of five individuals that can be used as an integrated development environment (IDE) for creating and testing language-neutral packet processing logic.
- worked with languages based on SDN (software-defined networking), such as P4 and NPL.
- The application was designed and developed utilizing agile approach and SCRUM.
- Utilizing Google Charts and D3.js, network and data visualization was implemented.
- Working knowledge of the Docker hub and Docker images, as well as experience with container-based deployments utilizing Docker.
- Auto Scaling, ELB, launch settings, and security policies used in managed AWS EC2 instances.
- Before delivering the application to the cloud, automated tests were run using the Postman tool, mocha, and chai js.
- Created web sockets for asynchronous communication and built web-based terminals using Xterm js.

Dhavala Enterprises   July 2018 - Dec 2020
Software Engineer   Bangalore, India

- Implemented POCs (Proof of Concept) based on Mininet, Web Terminals and D3.js required for the project.
- Implemented design, development and testing of angular applications.
- Roles/responsibilities mainly included requirement gathering, Front-end UI/UX and backend web development, Test Automation (Backend APIs), Version Management and Cloud Deployment.

PUBLICATIONS

1. Published a research paper titled "Design of Multiband Antenna for Wimax and WLAN applications using DGS" in science pubco.
   Link: https://www.sciencepubco.com/index.php/ijet/article/view/15904/6651
   Name of the Journal: International Journal of Engineering & Technology