Mounika Nalla

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LinkedIn: http://www.linkedin.com/in/mounikanalla

Portfolio: https://mounikanalla.github.io/ | **GitHub:** https://github.com/MounikaNalla

EDUCATION

Northeastern University, Boston, MA

Master of Science in Information Systems   Expected - May 2021

Course work: Data Structures and Algorithms, Web Design & Development, Application Engineering Development, User Experience Design and Prototyping, Object Oriented Programming, C++, Computer Networking with TCP/IP, Cloud Computing, Business Intelligence, Machine Learning

SKILLS

Java; C#; JavaScript; Python; SQL; Swift; PHP; SQL Server; MySQL; Oracle DB; NoSQL – MongoDB; Neo4j, AWS-Redshift; DynamoDB; React; Angular; NodeJS; Spring; RESTful; Bootstrap; jQuery; ASP.NET Core MVC; Ethereum; Hyperledger fabric; Shell scripting; Ansible; Jenkins; Docker; Kubernetes; OpenShift; AWS; Oracle Cloud; MS Azure; IBM Cloud; STIX; CoreOS;

WORK EXPERIENCE

IBM, *Software Engineer*   *June 2020 – Present*

- Composed Ansible playbooks to automate server infrastructure monitoring and alerting to outline performance issues and generate reports to improve service performance by 28%.
- Constructed proof of concepts using machine learning and IBM Watson services
- Developed a microservice for 2 products to provide a client the flexibility of securing the transactions with a custom-made protocol using Nodejs
- Initiated and developed content for Kubernetes course to help learners gain practical experience through labs

AI SkunkWorks, *Research Analyst*   *July 2020 – Present*

- Interpreted predictive data models and helped in developing auto-modeling solutions
- Contributed to auto visualization and auto reinforcement learning projects

Cognizant Technology Solutions, *Application Developer*   October 2016 - August 2018

- Programed two applications using C# and managed the entire software development life cycle
- Built microservices using NodeJS and improved application performance using caching and compression algorithms
- Converted legacy applications from vb.net to .net core framework and hosted on AWS
- Developed distributed caching solution using Redis Cache increasing the application efficiency by 27%
- Enabled Continuous Integration and Continuous Testing by increasing code coverage of services providing the infrastructure utilities by 35%
- Developed and managed 40+ web applications using ASP.NET MVC, Oracle database, Bootstrap, JUnit, NUnit to enhance usability and performance according to business needs
- Investigated and resolved 250+ production issues with 100% customer satisfaction and reduce maintenance costs by 30%

LEADERSHIP AND ACTIVITIES

- Served as a treasurer for National Institute of Technology, Warangal
- Leader at Rewriting the Code to mentor and share ideas with fellow students
- Fellowships - Rewriting the Code, CodePath, Women in Tech
- Certifications - IBM certified application developer for cloud solutions, Oracle Cloud Architect Professional
- Awards - Service Delivery Prodigy, Ranked 1 in National Programming League, KodeKraft, National Institute of Technology