

Greeshma Mahadeva Prasad

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WORK EXPERIENCE

Motorola Solutions, Salt Lake City, UT

Aug 2019 – Present

Senior Software Engineer (Node.js, Python, Docker, Kubernetes, Azure)

- Delivered mission-critical, real-time cloud solutions used by development teams across the company for identity and access management.
- Executed and led the development of a Python tool to automate support tasks and reduced the task time by 50%.
- Created a Node.js application to aid in synthetic testing and monitor the system's health 24x7.
- Researched available Azure services and designed a session tracking service to revoke sessions based on user activity.
- Built Docker applications running Node.js, Python and other applications. Set up CI/CD pipelines on Azure DevOps for deploying to Kubernetes.
- Drove daily standups, sprint planning, sprint retrospectives, sprint demos, and story grooming.

University of Utah, Salt Lake City, UT

Jan 2018 – May 2019

Teaching Assistant (C++, C)

Software Practice II

- Instructed lab sections of ~30 students every week by leading discussions, helping students understand the course concepts which included software development using Agile methodology, C++ programming.

Computer Organization

- Advised students with MIPS assembly level programming and explained core concepts such as RISC and CISC instruction set architectures, pipelining, memory systems.

Hewlett Packard Enterprise, Bengaluru, India

Aug 2015 – Jul 2017

System Software Engineer (Java, HTML, CSS, JavaScript, REST)

- Developed JAVA RESTful API for HPE 3PAR arrays, to provide integration of storage arrays with VMware vCenter and enable provisioning operations like datastore creation, datastore expansion.
- Implemented the product UI in HTML5 when it was upgraded from flex to HTML5 reducing the response time by ½.
- JUnit testing using Mockito framework to write unit test cases, increasing the code coverage to 85% from 40%.

Hewlett-Packard, Bengaluru, India

Jan 2015 – May 2015

Software Engineering Intern (Java)

Implemented a test automation framework in Java for HP XP Performance Advisor, a performance data tracking application for HP enterprise storage array, XP.

SKILLS

Languages: Java, Python, C, C++, C#

Web Development & Databases: HTML, CSS, JavaScript, D3.js, PostgreSQL, MySQL

Tools & Technologies: Kubernetes, Docker, Azure, Elastic Stack, Kibana, Node.js, AWS, REST, Android, Junit, Git, Azure DevOps, Agile Software Development

EDUCATION

Master of Science, Computer Science

GPA - 3.53

University of Utah, Salt Lake City, UT

May 2019

Coursework: Data Visualization, Database Systems, Advanced Algorithms, Operating Systems, Machine Learning, Data Mining, Natural Language Processing, Visualization for Scientific Data, Computer Architecture, Intro to Android App Development

Bachelor of Engineering, Information Science

GPA - 9.19

BMS College of Engineering, Bengaluru, India

May 2015

ACADEMIC PROJECTS

Education Statistics Data Visualization (HTML, CSS, JavaScript, d3.js)

Developed a website to visualize the World Bank education statistics data and observe the literacy rate trend in different countries based on their income. [Website](#)

Database Implementation – SimpleDb (Java)

A database management system that involves implementing the core modules required to access stored data on disk and adding support for various query processing operators, as well as transactions, locking, and concurrent queries. [Github](#)