Prem Kumar Raghava Manoharan

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• premkumar.azurewebsites.net

Education

Master of Science, Software Engineering System

Northeastern University, Boston, MA   Expected June 2024

- Course Work: Concept of Object-Oriented Design, Advanced Computing Infrastructure using AWS, Program Structure & Algorithms

Bachelor of Technology, Information Technology

Sri Venkateswara College of Engineering, Sriperumbudur   August 2020

- Course Work: Data Structures & Algorithms, Cloud Computing, Database Management system

Skills

Cloud Technologies: Azure Kubernetes Services, Azure Log Analytics, Azure Cloud Services, AWS EC2, S3, Cloud Formation, Lambda, Route 53

DevOps: Azure DevOps, Ansible, Docker, Helm, Git, Azure Resource Manager

Programming Languages: Java, JavaScript, Dart, C, Python, SQLss

Frameworks: Google Flutter, NodeJS, Express JS

Database: MySQL, PostgreSQL, Google Firebase, MongoDB

Certification and Badges: AZ- 104 Microsoft Certified Azure Administrator Associate, AZ-900 Microsoft Certified Azure Fundamentals, AWS Educate Storage Badge

Work Experience

Software Engineer Cloud Services Coop   May 2023 - December 2023

Motorola Solutions, Boston, MA

- Spearheaded the Infrastructure as Code initiative, transitioning from PowerShell scripts to ARM template IAC pipelines to reduce 80% of deployment time
- Led the implementation of Azure DevOps application deployment pipelines, significantly reducing environment recreation time from 1 week to a few hours
- Successfully optimized operational costs through streamlined deployment processes, aligning with company's cost reduction goals
- Developed automated pipelines for swift creation of sandbox environments, enhancing efficiency and agility within the team

Engineer Cloud Applications and Services   August 2020 - July 2022

Larsen and Toubro Infotech, Chennai, India

- Automated deployments of OpenText Documentum D2 in Azure Kubernetes Services using Azure CI/CD Pipelines and Ansible roles to reduce deployment time by 50% for developers
- Implemented a performance monitor using Grafana Dashboards that tracked the health of 35 Azure resources and On-Prem Servers to reduce downtime by 60%
- Designed and developed a custom script to read logs, search for alert codes, and send the alerts to Azure Log Analytics, resulting in a decreased time of analyzing logs and alert-related issues
- Contributed to researching and remediating the log4j vulnerabilities which was a high priority to secure the 45 on-prem and cloud servers which runs Java
- Performed research and development for Graylog, working with Documentum D2 application to capture and manage logs, resulting in faster troubleshooting

Backend Developer Intern   January 2020 - May 2020

Retail9 Ventures, Bangalore, India

- Learned and worked with an interactive team to revamp the existing monolithic application into a 2.0 modernized application in a short period of time contributing to an increase in user count by 40%

Flutter Developer Intern   January 2019 - May 2019

Mocero Health Solutions, Chennai, India

- Created the first version of the Patient Management App by leveraging Flutter framework for cross-platform application development (Android, iOS)