Pururva Lakkad

Cloud & Software Engineer

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Recent Experience

Stark & Wayne + Qarik / Cloud Engineer

October 2022 – January 2023, Remote

Architected and Deployed Enterprise cloud management solutions for companies worldwide, including several organizations in the Fortune 100. Deployed and maintained large scale application platforms as well as built tools and infrastructure to automate **Cloud Foundry**, and **Bosh**. Leveraged Infrastructure as Code, CI/CD, and DevOps principles to deploy and scale complex systems in a repeatable and efficient manner. Contributed to and released several large-scale open-source projects across multiple Github organizations including Stark & Wayne, Cloud Foundry Community, Genesis Community, and Blacksmith Community.

As a SME on the open-source backup and restoration project, SHIELD, shipped new features like job-retry and oAuth2 integrations while handling analysis, design, implementation, testing, release and maintenance.

Contributed to and maintained several deployment kits and bosh-releases including the cf-kit, bosh-kit, shield-kit and maintained the pipelines with Concourse. Helped build and test operation-scripts supplementing the Open(source) Cloud Foundry Platform reference architecture which simplified deploying reduced the genesis deployment manifests by significantly. Volunteered as a mentor for UBHacking and SW Internship program, and as a Judge for UB CSE Demo Days.

SitusAMC / Software Developer Analyst

August 2020 - September 2022, Buffalo, New York

Designed, developed, documented, tested, and debugged new and existing software systems, applications and/or components for market sale or proprietary software for internal use. Used various programming languages and frameworks including **.NET, C#, JavaScript, T-SQL, AWS, Azure, etc.** Participated in full development life cycle including requirements analysis, design and deployments.

Stark & Wayne / DevOps Engineer Intern

May 2019 – August 2019, Buffalo, New York

Contributed to SHIELD with a plugin for **etcd** database. Designed a data serialization format in **golang** for storing key values of **etcd** archives which allowed the storage of deployment information. Added support for **etcd** in SHIELD Phalanx - a **BOSH** release for testing SHIELD's full-stack functionality

University at Buffalo / Undergraduate Teaching Assistant

January 2017 - May 2020, Buffalo, New York

Designed homeworks/projects, performed grading, and instructed students both in group settings and 1-on-1 in Operating Systems, Systems programing, Intro to the Internet, Intro to CS I, and Intro to CS II

Education

SUNY University at Buffalo / Bachelor's of Science in Computer Science

August 2016 - May 2020, Buffalo, New York

Coursework: Algorithms, Data Structures, Operating System, Infrastructure Operations, Distributed Systems, Networking, Computer Organization, Machine Learning, Computer Security.

Skills

Languages: **Go, Python, Shell scripting, C/C++, C#, Javascript, .NET, HTML**
Tools: **Cloud Foundry, Bosh, AWS, GCP, Linux/Unix, Kubernetes, Docker, Terraform, Concourse, Vault, Office Suite**