

# Pururva Lakkad

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## Cloud & Software Engineer

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Work status: H1B Approved

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### Recent Experience

#### **Stark & Wayne + Qarik / Cloud Engineer**

October 2022 – January 2023, Remote

Consulted and Engineered solutions for companies worldwide, including those in the Fortune 100, in the creation and deployment of open source cloud management solutions. 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 into the [Stark & Wayne](#), [Cloud Foundry Community](#), [Shield Project](#), [Genesis Community](#), and [Blacksmith Community](#) organizations as well as several others.

As a Subject Matter Expert on the open-source backup and restoration project, SHIELD, maintained and shipped new features like job-retry and oAuth2 integrations while handling analysis, design, implementation, testing, release and maintenance within 60% of the delivery deadline.

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 50%.

#### **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 programming, Intro to the Internet, Intro to CS I, and Intro to CS II

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### 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.

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### 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**