






Pururva Lakkad

 [pururval.github.io](https://github.com/pururval)
 pururval
 pururvalakkad
 pururvalakkad@gmail.com
 +1 (716)-322-8398

Work Experience

Aries Computer Systems, Inc. • Software Engineer

Mar 2023 - Present

- Developing, documenting, testing, and debugging software systems, applications and/or components for market sale or proprietary software for internal use.
- Contributing to and maintaining the deployment kits and releases pipelines.

Stark and Wayne + Qarik Group • Cloud Engineer

Sep 2021 - Jan 2023

- Developed, deployed and maintained large scale application platforms in containers and VMs on [AWS](#), [GCP](#), [Kubernetes](#), [Cloud Foundry](#) and pipelines on [Concourse CI/CD](#).
- Helped clients migrate their cloud infrastructure and applications from PCF to open-source Cloud Foundry
- Led the backup-restore plan which included development, deploying, testing, training, and documenting backup solutions for different databases onto [AWS](#).
- Helped build and test [ops-scripts](#) to improve deployment and credential management for env manifests leveraging automation with [terraform](#).
- Contributed to and maintained SHIELD as a subject matter expert from v8.7.4 to v8.8.5.

SitusAMC • Software Engineer

Aug 2020 - Sep 2021

- Served as technical expert on development projects, participated in full development life cycle to build SQL reports, microservices, and a dashboard for loan mortgage analysis.
- Designed, developed, documented, tested, and debugged new and existing software systems, applications and/or components for market sale or proprietary software for internal use with [.NET](#), [C#](#), [JavaScript](#), [T-SQL](#), [AWS](#), [React](#).

Stark and Wayne LLC • Software Engineer Intern

May 2019 - Aug 2019

- Developed a plugin and tests for [etcd](#) in SHIELD and Phalanx - a testing suite for SHIELD's full-stack functionality
- Designed a data serialization format in [Golang](#) to encode and store the [etcd](#) key values

University at Buffalo • Undergraduate Teaching Assistant

Jan 2017 – May 2020

- Designed homeworks/projects, performed grading, and instructed students both in group settings and 1-on-1 for Operating Systems ([C](#)), Systems Programming ([C](#)), Intro to CS I ([Python](#)), Intro to CS II ([Scala](#)), and the Internet-class.

Technical Skills

Languages | [Golang](#), [Python](#), [.NET](#), [React](#), [C#](#), [C](#), [C++](#), [SQL](#), [HTML](#), [JavaScript](#), [Scala](#), [Java](#), [Shell scripting](#)

Tools | [Kubernetes](#), [AWS](#), [Cloud Foundry](#), [Bosh](#), [Linux](#), [Git](#), [Docker](#), [Concourse](#), [Terraform](#), [Jenkins](#), [GitOps](#), [Vault](#), [MS SQL](#), [SMS](#), [Prometheus](#), [Helm](#).

OpenSource Contributions

(more at github.com/pururval)

SHIELD | [Golang](#), [JavaScript](#) | An enterprise cloud backup and restore solution

- Added retry-handling to SHIELD, which enables users to have customized backup retries on backup failures.
- Developed an [OAuth2](#) integration with [okta](#) for SHIELD, with user-group mappings schema and [OIDC](#) implementation
- Devised, tested and documented restore/decode of backed up [Hashicorp Vault](#) data from [AWS S3](#) buckets.

Blacksmith | [Golang](#), [JavaScript](#) | A service broker for Cloud Foundry

- Configured limits on number of services created and displayed on blacksmith dashboard.
- Debugged and added support to the plan configuration for [rabbitmq-forge-boshrelease](#)

Genesis | [Shell](#), [Golang](#) | A Bosh deployment paradigm

- Contributed to and maintained the deployment kits and bosh-releases including the [cf-kit](#), [bosh-kit](#), and [shield-kit](#).

Education

University at Buffalo Bachelors of Science in Computer Science

Jun 2020

Relevant Courses Algos, Data Structures, OS, ML, Security, Networking, Infrastructure Ops, Distributed Systems