






Pururva Lakkad

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Work Experience

Stark and Wayne LLC • Cloud Engineer

Sep 2021 – Jan 2023

- As a Subject Matter Expert on the open-source backup and restoration project, [SHIELD](#), developed new features while handling analysis, design, implementation, testing, release and maintenance.
- Added job-retry using [Golang](#) to SHIELD, which enables users to have customized automated backup retry
- Developed an [OAuth2](#) integration with [okta](#) for SHIELD, with user-group mappings schema and [OIDC](#) implementation
- Contributed to and maintained the open-source deployment kits and bosh-releases including the [cf-kit](#), [bosh-kit](#), [shield-kit](#) and the pipelines with [Concourse CI/CD](#).
- Helped build and test [ops-scripts](#) supplementing the Open(source) Cloud Foundry Platform reference architecture.
- Volunteered as a mentor for [UBHacking](#), SW Internship program, and as a Judge for UB CSE [Demo Days](#).

SitusAMC • Software Developer Analyst

Aug 2020 – Sep 2021

- 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](#), [React](#), [Azure](#).
- Served as technical expert on development projects, participated in full development life cycle to build reports, microservices, and a dashboard for loan mortgage analysis.

Stark and Wayne LLC • Cloud Engineer Intern

May 2019 - Aug 2019

- Added a plugin for [etcd](#) in SHIELD and Phalanx - a bosh-release for testing SHIELD's full-stack functionality
- Designed a data serialization format in [Golang](#) for storing key values of [etcd](#) archives which allowed storage and management of deployment information in an efficient manner

University at Buffalo • Undergraduate Teaching Assistant

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

Technical Skills

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

Tools | [Cloud Foundry](#), [Bosh](#), [AWS](#), [GCP](#), [Unix](#), [Git](#), [k8s](#), [Docker](#), [Concourse CI/CD](#), [AWS](#), [Terraform](#), [Hashicorp Vault](#)

Software Projects

(more at github.com/pururval)

ParkAtTheMoon | [Python](#)

- Built an app with a team to find empty parking spots on campus using Raspberry Pi and OpenCV ML model

ShowerDuino | [C](#) | UB Hacking project

- Coded an arduino101 in C to rotate a stepper motor used to turn on a shower handle

CrowdMap | [HTML](#), [JavaScript](#) | DandyHacks

- Built a webapp with Google Maps API and socket.io to show live heat maps of crowd density in dining hall

GroupMeBot | [Python](#), [Heroku](#)

- Made a bot that responds to a query "who's on duty" which parsed and collected data from Google Calendar

Education

University at Buffalo • Bachelors of Science in Computer Science

Jun 2020

Relevant Courses Programming Languages, Computer Organization, Algorithms, Data Structures, OS, Machine Learning, Computer Security, Infrastructure Operations, Distributed Systems, Networking Concepts