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