Pururva Lakkad

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Work Experience

Aries Computer Systems, Inc. • Cloud DevOps Engineer — Mar 2023 - Present

- Working as a Cloud DevOps Engineer for data analytics administration on AWS along with backup and restore.
- Contributing to and maintaining the deployment kits and releases pipelines.

Stark and Wayne + Qarik • Cloud Engineer — Sep 2021 - Jan 2023

- 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 Developer Analyst — 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 • Cloud Engineer Intern — May 2019 - Aug 2019

- Added 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