Pururva Lakkad

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Work Experience

Aries Computer Systems, Inc. • Sr Software Engineer Mar 2023 - Present
- Developing, documenting, testing, and debugging applications and software components for market sale and proprietary software for internal use in Java.
- Contributing to and maintaining the deployment kits and release pipelines in Jenkins.

Stark and Wayne + Qarik Group • Software/Cloud Engineer Sep 2021 - Jan 2023
- Developed and maintained SHIELD data protection in Golang as a subject matter expert from v8.7.4 to v8.8.5.
- Contributed to, deployed and maintained large scale application platforms in containers and VMs on AWS, GCP, Kubernetes, Cloud Foundry and pipelines on Concourse CI/CD.
- Experienced working on authentication protocols, such as SAML, OpenID Connect, and OAuth2 using Okta.
- Led the backup-restore plan which included developing, deploying, testing, training, and documenting the disaster-recovery strategies for different databases onto AWS S3 and RDS.
- Helped build and test ops-scripts to improve deployment and credential management for env manifests leveraging automation with terraform.

SitusAMC • Full Stack 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.
- Experienced writing and maintaining source code for web services (RESTful, SOAP) applications using .NET, C#, Typescript, React, T-SQL, Azure.

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, Node.js, Express, PostreSQL

OpenSource Development *(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