# Pururva Lakkad

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## SUMMARY

Experienced Full Stack Software Engineer with a strong proficiency in Python, Golang, and JavaScript, complemented by frameworks such as React and Django. Well-versed in cloud technologies including AWS and Docker. Known for optimizing performance, automating processes, and delivering high-quality solutions. Adept at collaborating in Agile team environments and providing leadership to drive projects to successful completion.

## EXPERIENCE

**ARIES COMPUTER SYSTEMS, INC**                                                        **Remote, USA**
**Full Stack Software Engineer**                                                      **2023-Present**
- Accrual tool – Webapp to transfer expenses between accounts
    - Full stack development with Analysis, Design, Implementation, Testing, Release and Support.
    - Reduced database queries by 30% with implementation of caching.
    - Backend RestAPI Development in Python, Django, .NET
    - Frontend User Interface Development in React, JavaScript, HTML, CSS
    - Test driven development, Code Reviews, Test Reviews, Build/Release Pipeline Automation (CICD)

**STARK & WAYNE + QARIK GROUP**                                                       **Buffalo, NY**
**Cloud Engineer**                                                                    **2021-2023**
**SW Engineer Intern**                                                                **2019**
- SHIELD - Golang, JavaScript - Data protection system from v8.7.4 to v8.8.6
    - Released features like Okta oAuth2 integration, backup retry, storage health check with Golang and Js.
    - Encoded/decoded secrets to and from Hashicorp Vault with SHIELD plugin.
    - Built a data serializer, etcd plugin and schemas for PostgreSQL.
- Blacksmith - Golang, JavaScript - Cloud foundry service broker
    - Implemented configurable plan limits and displayed it on the UI dashboard.
- Led backup-restore epic, automating various data stores onto AWS S3 and RDS, reducing manual intervention by 80%.
- Repaired pre-build, post-build scripts and Dockerfiles alongside Concourse CICD pipelines to resolve build failures to enable delivery for 4 products.
- Automated deployments and reduced the yaml manifest size by 75% using tools and scripts built with Vault, GitOps, and Terraform (IaaC), reducing AWS expenses by 25%.

**SITUSAMC**                                                                          **Buffalo, NY**
**Full Stack Software Engineer**                                                      **2020-2021**
- Promerit - Scalable warehouse lending system
    - Implemented column filter & search with React AGGrid.
    - Refactored C# and React code to increase processing efficiency and reduce redundancy by 25%.
- emBTRUST - Document custody system
    - Developed microservices and reports in SQL Server Reporting Services (SSRS) for mortgage management products, used by warehouse lending firms.
    - Bug fixes, client demo, support and maintenance.

## EDUCATION

**UNIVERSITY AT BUFFALO**                                                             **Buffalo, NY**
*Bachelor of Science in Computer Science*                                            **2016-2020**
- Teaching Assistant for Operating Systems (50 undergrad, 150 grad)

## SKILLS

- Languages: Python, Golang, HTML, JavaScript, C, C#, SQL
- Frameworks/OS: React, Django, Spring Boot, .NET, Linux, MacOS, Windows
- Tools: AWS, Kubernetes, GCP, Cloud Foundry, Docker, Git, Concourse CICD, Terraform, Vault, JIRA, Confluence, Jamf, Jenkins, PyTest, PyUnit, Maven, JSON, XML, bash script, VMware,  EC2, S3, Lambda