

ARJUN JALE

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EXPERIENCE

Software Engineer @ Palo Alto Networks

June 2021 - Present, Santa Clara, CA

- Worked on tenant onboarding, secret management, secure container build images and orchestration of kubernetes microservices for infra team
- Mitigated vulnerabilities found in K8 services
- Led project to create, store and rotate secrets as part of company wide FedRamp initiative
- Collaborated with sales enablement and PM teams to create customer first tools for easier use and reduced onboarding time for firewall products
- Built kubernetes services to handle communication between other services and firewalls
- Developed and implemented golang library and K8 operator for secret creation, usage and rotation for several projects and clusters
- Handled numerous customer escalations and critical production issues
- Created secure build image for use in K8 services

Software Engineering Intern @ Mastercard

June 2020 - August 2020, Arlington, VA

- Worked with REST API's in Java for a new Android app for a new product launching internationally
- Assisted with creating API integration tests using Groovy, Spock and Springboot
- Designed new products for an intern competition

Data Analyst @ Rayse Academy

January 2019 - October 2019, College Park, MD

- Built automation pipeline with Python using Khan Academy API to input grades into Google Cloud Big Query for analysis
- Analyzed student scores to create a plan to improve student performance
- Provided students with domestic and international service opportunities

Software Engineering Intern @ Centrifly

June 2018 - August 2018, Santa Clara, CA

- Applied advanced UI/UX changes to company products using extJS and HTML
- Created SAML app templates to allow easy SSO access for customers
- Created customer facing and internal documentation for product usage
- Modified existing API's and created new API's using C# to allow users to change product icons

EDUCATION

University of Maryland College Park

August 2017 - May 2021, College Park, MD

- B.S. Computer Science
- Mathematics / Statistics Minor
- Business Scholars Capstone Program

PROJECTS

NBA 3-Point Line

Python • NumPy • SciPy • Pandas

- Built full data science pipeline to analyze whether the NBA 3 point line should be moved back
- Pulled 2 million data points for ML model

Hand Detector

JavaScript • Python • NumPy

- Used Python to create ML model to detect hands and JS to facilitate usage and handle webcam input

Secure Server and Client

C • Wireshark • Postman

- Built server executable that can accept multiple clients and also send SHA256 hashed responses
- Created client executable to send data to server and decode hashes

Face Recognition

Python • NumPy • Sklearn • Pillow

- Implemented a principal components analysis to represent faces in lower dimensional space and recognize them
- Solved face recognition 1:k matching problem

SKILLS

Golang	Orchestration
Kubernetes	Build Tooling
Python	CI/CD
Google Cloud	Vulnerabilities
Docker	Optimization
Bash	Algorithms
SQL	Scripting
Networking	Jira
QA Testing	Data Analysis
Linux	Communication
Git	Presenting