

Faizan Qazi

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Skill Set

Frameworks: Apache Airflow, VMware Aria, Kubernetes, SaltStack, Docker, Flask, Gitlab CI

Languages: Python, TypeScript, JavaScript, Bash, Powershell

Cloud: AWS, GCP, Azure, VMware

Experience

1. VMware by Broadcom

R&D Software Engineer II

Automation Consultant

Associate Consultant II

12/2023 - Present

09/2022 - 11/2023

08/2022 - 09/2022

- 2 x "At our Best" Awardee Center of Engineering - World Wide Consulting Center
- Delivered Multi Cloud Automation Project reducing VM provisioning time by more than 80% using Aria Automation
- Creating Custom SALT CIS Compliance Benchmark Checks and Remediation for securing VMs.
- Deploying Webserver using Flask | Websockets for SelfService Email Actions streamlining supervisory processes.
- Automated Hz/Vt Autoscaling VM Workloads, Desktop Provisioning on Horizon using vRO
- Updating documentation, internal libraries using type scripting and python.

2. Blue Altair

Integration Consultant

09/2022 - Present

- Deployed several Anthos Clusters with few using MITM Proxy behind Chinese Firewall. Included troubleshooting, reverse engineering and resolving issues by and determining the root cause at the OS level.
- Subject Matter Expertise for dozens of Apigee Hybrid deployments on GKE, EKS, AKS | Backup, Restore, Update, Upgrade, Health Check Strategies. Ensured minimal downtime by leveraging automation.
- Architect and Design VPC, Network Security Groups, Subnets Sizing, for projects deployed on Google Cloud, Azure. | L4, L7 Load Balancing
- Integrating Distributed Pipelines into Airflow for efficient and scalable Data Pipelines by onboarding customers to Google Cloud Composer increasing efficiency and reducing latency by 35% removing schedules and events-based triggering of cloud functions.
- Automation of Service Desk | Custom Slack App, Apigee Accelerator on Flask | nginx Design networking and system administration.

3. Fresh Gravity

Technical Analyst

11/2021 - 08/2022

- Creating API for Clinical Study Automation using Flask
- Full Stack Engineering | Architect Apache-Airflow on AWS EKS increasing efficiency by 60%
- Creating CI/CD pipelines using Gitlab CI | Shell | Docker | Helm | Jinja 2 | Scripting
- Contributor to Apache-Airflow | Custom API for Airflow Webserver
- Automation of Server Upgrades Using Apache-Airflow, Creating Plugins, Shell Scripting, Unit Testing
- Enhancing Performance Metrics by Reducing Execution Times, Limiting Failures and increasing Parallelism.

4. Cheese Blitz

Python Developer

03/2020 - 11/2021

08/2016 - 10/2017

- Design Front End for Cloud Kitchen- HTML5, JS, CSS
- Integrate Backend using Flask, Web Hosting and CI/CD for patching and updates.
- Writing Highly available and scalable firmware for the product.
- Designing the pipeline for Real Time Appliance Detection POC. Testing/Debugging of Hardware
- Extensively worked on Python Libraries such as: Pandas, Numpy, Scikit-Learn, Tensorflow
- Contributed to Open-Source Project: NILMTK

Education

1. Master Of Technology Embedded Systems and Solutions
2. Bachelor of Engineering Electronics & Communication Engineering

CGPA:9.07

1st Class

Certifications

- Astronomer Certification for Apache Airflow Fundamentals
- Astronomer Certification for Apache Airflow DAG Authoring
- Oracle Cloud Infrastructure Certified Architect Associate
- Oracle Cloud Infrastructure Foundations Certified Associate

Soft Skills

Technical Instructor at Astronomer

09/2022 - 06/2023

- Member of Customer Education Team
- Created Product Educational Content for the Academy with an average NPS of 8.8
- Providing Instructor led corporate training
- Collaborating with Sales Team for feature presentation