

MOHAMMED WAZEEM

Software Engineer | Cloud Technologies | Automation

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SUMMARY

**Software Engineer with 7+ years of experience** in backend development, Test Automation, and DevOps practices. Skilled in **Python, AWS, VMware, Docker, Kubernetes**, and **CI/CD pipelines**. Proven ability to build scalable REST APIs and automation tools that improve system reliability and operational efficiency.

EXPERIENCE

Software Engineer

Cisco Systems India

08/2021 - 04/2025   Bangalore, India

- Contributed to **Cisco Intersight**, a cloud-native **SaaS** platform for hybrid infrastructure management (compute, storage, virtualization).
- Built **Python-based test automation frameworks** to validate REST APIs and GUIs across microservices, improving regression coverage.
- Integrated **Grafana** and **Prometheus** dashboards for monitoring automation stability and performance, contributing to a **15% drop in customer-reported performance issues**.
- Leveraged **Splunk queries** to detect recurring tracebacks, top defect patterns, and regression trends leading to identification of **20% more infrastructure related bugs** during pre-release cycles.
- Designed and executed automation test scripts for **VCenter** Plugin HSM with Cisco Intersight, enhancing testing accuracy and efficiency.

Software Engineer (Contract for Illumina)

Sequoia Applied Technologies

05/2020 - 06/2021   Thiruvananthapuram, India

- Served as a consultant at Illumina, developing advanced **Python automation** scripts for **NovaSeq** genomic sequencing machines, reducing manual testing effort by **40%**.
- Developed and maintained end-to-end test automation for microservice-based systems handling critical genomic data processing tasks, including FASTQ, BAM, CDX JSON, and Tumor Profiling JSON generation.
- Automated UI workflows and validations for sample lifecycle management using Selenium (Python) and **PowerShell** on Windows, cutting regression testing time by **35%**.
- Adhered to best practices in version control and CI pipelines; collaborated cross-functionally via **JIRA, Jama** and **Confluence** in an Agile environment to enhance documentation and sprint efficiency.

Python Developer

Kuberiter

06/2019 - 03/2020   Thiruvananthapuram, India

- Contributed to migrating the backend of a complex DevOps automation platform from CGI-Python to the **Django** framework, improving code maintainability and boosting system performance by **25%**.
- Assisted in implementing **CyberArk Conjur** for secure secrets' management, reducing security risks and streamlining sensitive data handling.

Python Developer

Teknunce Info Solutions

02/2019 - 06/2019   Chennai, India

- Contributed to a scalable **Project Management Platform (PMP)** using Python Flask, designing **RESTful APIs** for backend integration.
- Engineered task tracking and progress monitoring features, improving visibility and control over project workflows.

Full Stack Engineer

SDS Technology

02/2018 - 02/2019   Thiruvananthapuram, India

- Contributed to building a Physiotherapist Network Web App using **Django**, streamlining the hiring process and improving access to healthcare services.
- Built Python test scripts with **TDD** and **BDD** to boost test coverage and software quality.

SKILLS

Programming Languages

Python, JavaScript, Bash, PowerShell, HTML

Frameworks & APIs

Django, Flask, RESTful APIs

DevOps & Infrastructure

Git, Docker, Kubernetes, Jenkins, Ansible, AWS, VMware Vcenter

Monitoring & Logging

Splunk, Grafana, Prometheus

Databases

PostgreSQL, MySQL, MongoDB

EDUCATION

B.E in Electronics & Communication Engineering

Anna University Chennai

08/2012 - 05/2016

GPA

2.5 / 4.0

KEY ACHIEVEMENTS

Outstanding QA Contribution (Cisco)

**"You Amaze" Award** – Recognized for outstanding contributions to the **Intersight QA team** at Cisco, significantly improving automation coverage and test reliability.

Cross-Functional Excellence (Cisco)

**Award** - Honored by cross-functional leadership for successfully integrating Cisco Intersight HSM with VMware vLCM, streamlining hybrid cloud testing and deployment.

Collaboration Impact (Cisco)

**Recognition** - Acknowledged for driving effective collaboration between HSM and Orchestrator teams, accelerating delivery of automation features within Cisco Intersight.

COURSES

Microservices: Designing Highly Scalable Systems

Udemy - Issued Jul 2022

LANGUAGES

English  
Proficient

Deutsch  
Intermediate

Malayalam  
Native