

MAQSOOD SHAH

Raleigh, North Carolina, United States



mr.maqsood.shah@gmail.com



3365089580



[linkedin.com/in/maq-shah](https://www.linkedin.com/in/maq-shah)

Summary

I would like to introduce myself as a Python Developer & Process automation Engineer with Master Degree in Computer Science, Post Master degree 3 years software development experience. I am confident in my ability to perform Software Development, DevOps, Technical Support due to my extensive education, work experience, and Skills.

Experience



Software Developer

Bank of America

Nov 2021 - Present (2 months +)



Software Engineer

Cisco

Feb 2021 - Oct 2021 (9 months)

Software engineer in process automation for a web-based process automation framework and services Design and develop new features, Devops infrastructure, process automation, CI/CD pipelines automation, TDD, BDD, UAT, Bug fixing and unit testing.

Automated build and deployment on testing, staging and production on localhost, on-prem and cloud.

Improved process automation and infrastructure by adding new tests to verify features and bug fixes and issues found.

Writing scripts sh, yaml to automate services and tasks.

Systematically designed tests in robot test framework and python.

Implementing complex application specific Docker containers k8s focused on network process and test automation.

Developed user stories to implement test automation for new features using agile for software.

Developed Data integrity, backend, frontend and performance automated tests and processes.

Reviewed code and user stories that prevent potential defects.

Opening tickets, backlog grooming, retros, planning, reviews, daily standups.

Everyday 10 hours, I am working with Python, Docker, flask, K8s, Microservices, MySQL, Pull Requests, DevOps, Ansible, Jira, Git, SonarQube, Flake8, AWS s3, EC2, sagemaker, Agile/Scrum practices, CI/CD Jenkins pipelines, Secure Software development Practices, Writing and executing Unit and Integration Tests as part of TDD, BDD, Ansible, RESTful APIs, SQLAlchemy, Redis, MongoDB, MinIO, OOP, unittest, Pytest.



Python Developer / AI Developer

Northcloud

May 2019 - Nov 2020 (1 year 7 months)

- Python Automation of a cloud server platform to minimize the 3-days manual work to 1 hour using Python Django, Json, RestAPI, mysql, shell scripts, bash scripts, python scripts, paramiko, Docker containers, AWS sagemaker and EC2, SSL, Linode, Vultr, Atlantic, DigitalOcean.
- Product deployment on Raspberry pi, AWS.
- Python restful APIs to access, maintenance, and scaling servers on cloud providers (Atlantic, Vultr, Linode, DigitalOcean, VPSserver)
- Large dataset generation from candidate's portal for candidate ranking
- Facial Recognition from image and video to identify candidate.
- Text Classification of Unstructured skills data for recommendation system of top talented candidate using numpy, pandas, SpaCy, Gensim, CNN
- Large datasets management in MySQL of top talented candidates
- Entity Recognition models to recognize and classify in job and candidate ranking and recommendation system LDA model.
- Speech-to-Text in ERP web app implementation
- Topic modeling in a document using genism
- Resume Ranking using LDA modeling
- AI chatbot for top talented candidates job portal using SpaCy, Encoder, decoder, Word2Vec model, Seq2Seq, LSTM
- Build models to predict users of Zong cmpak telecom network in specific zone at specific time
- Visualization of users and network flow for classification traffic using SVM, CNN
- Large dataset analysis for users to reduce load
- Managed large datasets using Panda data frames and MySQL.
- Minimal SiteDB object recognition indoor huawei devices for upgradation and maintenance using RCNN, mask-RCNN, YOLO-v3, VGG-16, LSTM, SVM, Decision Trees
- Fire non-fire detection indoor and outdoor using CNN
- Pre-trained and trained model for Object Recognition indoor huawei devices Neural Networks
- Optimization Problems for users on telecom operator network

Python Software Developer

Experts Vision Engineering and Technology Innovations- EVEATI PVT LTD

Nov 2017 - Jan 2019 (1 year 3 months)

- Test automation of solar panels data
- Data pipelines
- Python, Django, Github, AWS, HTML5, JavaScript, MySQL, MongoDB , C# .NET, Anaconda IDE, VS code, RestSPI, Json data, Laravel Framework
- Intelligent irrigation system, regression analysis of crops using
- Paraphrasing app to rewrite content
- Data analysis and scraping
- Solar Panel system management and power prediction
- Employee management system

Junior Software Engineer

Generic Engineering Technologies

Feb 2011 - May 2013 (2 years 4 months)

- Take a product through the entire lifecycle of analysis, design, coding, testing and implementation and support.
- Identifying, troubleshooting and debugging defects in designated application code.

- Contribute to the development of C# desktop applications, Multi-threading, client server. SQL stored procedures, Data Repository - SQL tables.
- Create Entity Relationship (ER) Diagrams to the proposed database.
- Identify columns for Primary Keys in all the tables at the design time and createthem.
- Develop reports in Crystal Reports Reporting Services.
- Experience in C# desktop applications.

Education



Nanjing University of Science and Technology

Master's degree, Computer Science

Sep 2014 - Mar 2017

Computing Management

Web Development

Artificial Intelligence

Software Security

Programming Language Python

Cloud Computing

Computing Management

02 Research Papers

01 Research Thesis



Donghua University

Language Course, Chinese Language and Literature

Sep 2013 - Jul 2014

Chinese Language Proficiency HSK



University of Engineering and Technology, Taxila

Bachelor's degree, Computer Software Engineering

Aug 2006 - Aug 2010

Software Engineering

Computer Programming

Web Development

Mathematics

Semester Projects

Licenses & Certifications



White Belt (Security Ground School) - Cisco



Advanced White Belt (Security Flight Academy) - Cisco

Skills

Python (Programming Language) • DevOps • Technical Support • Database Design • Software Development • System Architecture • Web Services • Shell Scripting • Linux • GitHub

Honors & Awards



Best Employee - Northcloud

Aug 2019



Fully Funded Master Degree - China Scholarship Council

Sep 2014