
EMPLOYMENT

Software Engineer	Tata Consultancy Services (Cigna)	Oct 2019 – Present
<ul style="list-style-type: none">• Built Python and PowerShell scripts to automate standard operating procedures to eliminate repetitive tasks.• Perform feasibility analysis on automation requirements to determine the best approach to automate steps.• Develop Synthetics that automate application checks using either Python, Java, Selenium, JSON, Groovy, SolarWinds Dynatrace.• Maintain and administrate ignio software environment comprising of Linux and Windows Servers, PostgreSQL DB for operations and workload management.• Maintain Git Repositories on GitLab server and complete push and merge requests.• Create ServiceNow REST APIs using python to automate updating and closing of tasks as well as event management.• Create and maintain learnings in Confluence and as well as track team progress with Kanban board.• Use agile methodologies and practices in build and deploy process.• Perform sanity and smoke testing on script deployments as well as security testing.• Create logging, monitoring, and alerting into all builds and deployments.• Created a custom framework template for checking mainframe systems using Python code and WC3270 Emulator.• Automated web application unit tests by using Katalon to create selenium and python scripts.• Used Selenium, Java, and Cucumber to demonstrate desktop application automation.• Monitored and Performed application health check.• Worked on creating and performing changes using change management requests.• Developed JSON files to run scheduled jobs and display results in dashboard.		
DevOps Consultant/Instructor	DCI Resources, LLC	Sep 2018 – Nov 2019
<ul style="list-style-type: none">• Used Git workflows for version control (Source Code Management)• Developed and maintain automated CI/CD pipelines for code deployment using Jenkins and GitLab.• Demonstrated provisioning of servers and deployment of features with Puppet and Ansible.• Built and deployed Docker containers for implementing Microservice Architecture from Monolithic Architecture.		
Senior System Administrator	University of New Haven	Jan 2017 – May 2018
<ul style="list-style-type: none">• Worked on software development requests from the product backlog using Django web server and Python.• Maintained the Linux infrastructure hosting the software platform.• Used agile methodology for feature development with sprints set every two months.• Edited the HTML and CSS templates used in outreach and notification mails sent to the students and faculty, respectively.• Used Twitter Bootstrap to style the website front end.• Maintained PostgreSQL database instance to store data and added models in Django that relate to tables in the database.• Communicated with the product owner with regards to implementation of new features.• Imported data using Python scripts (Current Students, New Enrollments, Grades, GPA, Terms, Courses, Course Registrations, Faculty) into STAT at start of every term and after the close of add and drop deadlines for that term.• Executed Python scripts to send out weekly instructor notifications to faculty regarding visits from their students and weekly athletic notifications to athletic instructors regarding all the athletic students.• Sent out student outreach emails, at the beginning of the term and after midterms, containing schedules of tutors available for them.• Automated data import and sending email notifications using Cron scheduler to run the scripts on set dates.• Managed user privileges added tutors and their schedules and set department closed dates in the front end of the software.• Applied regular patches and software updates to the FreeBSD and RedHat servers hosting the Django web server environment.• Managed Openfire server and Spark client for internal communication.• Migrated from Openfire XMPP client to Slack-esque Rocketchat for improved inter-department communication.• Generated tutor utilization reports through software which included student visits and hours tutored.• Generated weekly reports for different labs in the department which included total visits per lab and total hours		

tutored.

- Regularly audited walk-ins and appointments to check for errors regarding the integrity of the data.
- Trained tutors and students with new features introduced into the software after every major update.

Research Assistant **University of New Haven** **May 2017 – Jul 2017**

- Executed shell scripts to batch process the data using Mapper and Reducer in Hadoop.
- Created a Python Machine Learning model using Linear regression to set a trend line for each processed data.
- Plotted charts for the occurrence of each type of storm in R Studio and Spyder using R and Python.

Data Protection Engineer **Vodafone Group plc** **Feb 2014 – Aug 2016**

- Participated on planning, implementation, and growth of our infrastructure on AWS.
- Managed private cloud hosted on the VMware ESXi servers using vSphere web client.
- Worked in a huge backup environment consisting of 100+ backup servers and 15,000 client serves.
- Created Incremental (Level 1), Full and Archive Log backup policies for Oracle database using RMAN.
- Created Full, Incremental and Differential backup policies for Windows, UNIX and Linux client servers.

Linux Administrator **Mphasis** **Jun 2013 – Jan 2014**

- Managed Red Hat Linux and VMware ESX servers.
- Consistently maintained 98% uptime by monitoring with Splunk services.
- Deployed Puppet agent, Puppet Dashboard, and Puppet DB for configuration management.

EDUCATION

West Haven, CT **University of New Haven** **Aug 2016 – Dec 2018**

M.S. in Computer Science, Dec 2018. GPA: 3.8

- Graduate Coursework: Advanced Database Systems; Artificial Intelligence; Cloud Computing; Script Programming/Python; Distributed Database Systems; Intro to Computer Security.

Pune, MH, IN **Vishwakarma Institute of Technology** **Jul 2009 – May 2013**

B.Tech. in Electronics and Telecommunication, May 2013. GPA: 3.5

- Undergraduate Coursework: Data Structures and Algorithms; Signals and Systems; Network Analysis and Synthesis; Digital Electronics and Microprocessors; Coding and Data Compression; Wireless Sensor Networks.

SOFTWARE PROJECTS

G I T H U B : <https://github.com/faisalkhan91>

- **Jenkins CI-CD Pipeline:** A CI-CD pipeline using Jenkins that pulls an example application hosted on GitHub and prints the result of a query to a MySQL database using PHP.
- **NYC Bus Analysis:** Analysis of school bus breakdowns and delays using pandas, NumPy and matplotlib libraries to extract meaningful information.

ADDITIONAL EXPERIENCE AND AWARDS AND HONORS

- **Tutor (2017 – 2018):** Taught computer science courses such as C/C++/Python Programming, Data Structures.
- **Outstanding Administrative Staff Award, Center for Learning Resources:** Exceptional performance award.
- **Member of Upsilon Pi Epsilon International Honor Society** (Since May 2018).

LANGUAGES AND TECHNOLOGIES

- SQL, Python, C++, Java, Dotnet, HTML, CSS, JavaScript, UNIX Shell Scripting (ksh/bash), Linux, Angular, Selenium.
- VMware vSphere, AWS, Docker, Puppet, Ansible, Docker Compose, Docker Hub, Jenkins, SolarWinds, Microsoft SQL