14 Ricardo St, Apt 1
West Haven CT 06516

M. FAISAL KHAN

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EMPLOYMENT

DevOps Instructor	**DCI Resources, LLC**	**Sep 2018 – Present**

- Taught Git workflows for version control (Source Code Management)
- Instructed how to Develop and maintain automated CI/CD pipelines for code deployment using Jenkins.
- Demonstrated provisioning of servers and deployment of features with Puppet and Ansible.
- Built and deployed Docker containers for implementing Microservice Architecture from Monolithic Architecture.
- Built a CI-CD pipeline to pull code hosted on GitLab and run unit test cases and store output in workspace.

Senior System Administrator	**University of New Haven**	**Jan 2017 – May 2018**

- Continuous software development in Django web server and bug fixes using Python in the back end of STAT.
- Managed Openfire server and Spark client for internal communication.
- Migrated from Openfire XMPP client to Slack-esque Rocketchat for improved inter-department communication.

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 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.

Cloud Engineer	**Vodafone Group plc**	**Feb 2014 – Aug 2016**

Cloud Operations Engineer & Data Protection Engineer

- 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

GITHUB: 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++, HTML, CSS, JavaScript, UNIX Shell Scripting (ksh/bash), Linux.
- VMware vSphere, AWS, Docker, Puppet, Chef, Ansible, Docker Compose, Docker Hub, Jenkins.