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| 1 Linden Pl Apt 511  Hartford CT 06516 | **M. Faisal Khan** | | | (475) 355-7575  faisalkhan91@outlook.com |
| **Employment** | | | | |
| **Software Engineer** | **Tata Consultancy Services (Cigna)** | | | Oct 2019 – Present |
| * Created a custom automation framework for Mainframe application using Python and WC3270. * Developed Synthetics to automate application health check using Groovy and ignio. * Recorded transactions and managed recordings using SolarWinds. | | | | |
| **DevOps Instructor** | **DCI Resources, LLC** | | | Sep 2018 – Nov 2019 |
| * Taught Git workflows for version control (Source Code Management) * Instructed how to Develop 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 |
| * Continuous software development in Django web server and bug fixes using Python. * Worked on maintaining the Linux infrastructure hosting the software platform. | | | | |
| **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. | | | | |
| **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** | | | | |
| **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++, 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 | | | | |