Muhammad Saqib

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EDUCATION

- **National University of Computer and Emerging Sciences**
  BS Computer Science, CGPA: 3.03/4.0   *2012 – 2016*

TECHNICAL SKILLS

- **Programming**: Python, Javascript, Java, C++.
- **Frameworks**: NodeJS, React, AngularJS, Django REST, Numpy, Pandas.
- **Databases**: MySQL, Mongodb, Elasticsearch, HIVE, Influxdb.
- **Data visualization**: Grafana, BIRT, Jasper Reports.
- **Network monitoring**: Nagios, Icinga2, ELK stack, Splunk.
- **IT Automation**: Puppet, SaltStack.
- **Cloud technologies** : Openstack, AWS, GCP, Docker, Kubernetes.
- **ERP**: Netsuite.

WORK EXPERIENCE

- **Folio3 Software**
  Senior Software Engineer   *December 2019 - present*
  - **Enterprise Integration Software**: Maintenance and extension of a large code base.
- **Ivolve Technologies**
  Senior Software Engineer   *Jul 2019 - Nov 2019*
  - **Microservices applications**: Built microservices with Django REST and Nodejs. Designing the UX of the web application. Solving critical business problems with Python. Interfacing different services with Rabbitmq.
  - **Monitoring system**: Built a monitoring data pipeline for the microservices and the cloud infrastructure with tools like Ceilometer, Gnocchi, Elasticsearch, Graphite and Grafana.
- **Cloud9 Networks FZE**
  Sr. Software engineer   *Jul 2016 - Jun 2019*
  - **Cloud Monitoring Software**:
    * Developed a logging, monitoring and alerting system for Openstack cloud.
    * Developed telemetry and metering system for Openstack cloud.
  - **Network Monitoring System**:
    * Development and integration of Network monitoring system that monitors thousands of customer premises equipment: collects and stores metrics and visualizes data with alerting and ticketing systems integrated.
  - **Big Data Analytics Engine**:
    * Developed a REST API in Java Spring and frontend in AngularJS.
    * Designed and deployed a Hadoop cluster for data streaming pipeline from relational data sources to HIVE.
    * Created Oozie jobs for executing HIVE scripts.
  - **PNDA Project**:
    * Deployed PNDA Big data network analytics toolchain on Openstack cloud. https://github.com/pndaproject/
  - **Internet Access Request System for Govt.KPK Colleges**:
    * Lead the analysis, design and implementation of the project. Used cutting edge tools for rapid application development while maintaining quality.
- **FAST-NUCES**
  Research Assistant   *Jan. 2015 - June. 2016*
  - **Research Assistant - Machine Learning**: Research on puzzle solving using various techniques. Applied deep learning on data generated from Copris Theorem Prover. http://dx.doi.org/10.14569/IJACSA.2017.080364
  - **System engineer - Nvidia HPC lab**: Built Message Passing Interface(MPI) cluster for distributed memory programming and Hadoop cluster for map-reduce programming for HPC class of fall-2015.