Muhammad Saqib

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Education

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

Technical Skills

- **Programming**: C++, Python, Java, Javascript, R, SQL.
- **Frameworks and Libraries**: NodeJS, React, Flask, Numpy, Pandas.
- **Databases**: MySQL, Mongodb, Elasticsearch, HIVE, Influxdb.
- **Data visualization**: Kibana, Grafana, BIRT, Jasper Reports.
- **Network monitoring**: Nagios, Icinga2, ELK stack.
- **IT Automation**: Puppet, Ansible, SaltStack.
- **Cloud technologies** : Openstack, AWS, GCP, Docker, Kubernetes.

Work Experience

- **Cloud9 Networks FZE** July 2016 - Present
  Sr. Software Engineer
  - **Cloud Monitoring Software**:
    - Developed a logging, monitoring and alerting platform for Openstack cloud.
    - Developed telemetry and metering module for Openstack cloud.
  - **Network Monitoring System**:
    - Key contributor to the development and integration of Network Monitoring system that monitors thousands of customer premises network devices: collects and stores metrics and visualize data with alerting and ticketing systems integrated.
  - **PNDA Project**:
    - PNDA Big data network analytics toolchain on Openstack cloud. https://github.com/pndaproject/
  - **Big Data Analytics Engine**:
    - Developed a REST API in Java Spring and front-end in AngularJS.
    - Designed a Hadoop cluster for data streaming pipeline from relational data sources to HIVE.
    - Created Oozie jobs for executing HIVE scripts.
  - **Internet Access Request System for Govt.KPK Colleges**:
    - Lead the Analysis, design and implementation of the software and used git for collaboration and continuous deployment with git hooks.
- **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.