Muhammad Saqib

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EDUCATION

- **National University of Computer and Emerging Sciences** 2012 – 2016
  BS Computer Science, CGPA: 3.03/4.0
- **Ayesha Bawany Govt. College** 2010 – 2012
  Pre-Engineering, 76% marks

TECHNICAL EXPERTISE

- **Languages**: Python, Javascript, Java, C++, SQL.
- **Web development**: HTML5, Javascript, CSS, PHP.
- **Web frameworks**: Java Spring, Nodejs, Express, Reactjs, Angularjs 1.0, Python Flask.
- **Business Intelligence**: BIRT, Jasper Reports, R Statistics Package.
- **Database/Application server**: Mongodb, HIVE, Impala, MySQL, Oracle, MS SQL Server, Influxdb, Tomcat, Apache, Jboss.
- **Databases**: Mongodb, HIVE, Impala, Mysql, SQLServer Influxdb.
- **Databases**: Puppet, Ansible, SaltStack.
- **Logging Monitoring and alerting tools**: Prometheus, Elasticsearch, Logstash, Kibana, Mozillla Heka, Nagios, Icinga2.
- **Containers and Cloud Native** : Docker, Kubernetes, AWS, Azure, GCP, Heroku.

EXPERIENCE

- **Cloud9 Networks FZE** Karachi
  Sr. Software Engineer *July 2016 - Present*
  - **Cloud Monitoring Software**:
    * Research and development of Logging, Monitoring and Alerting software for Openstack private cloud.
    * Security testing and best practices.
  - **Network Monitoring System**:
    * Design, development and integration of opensource tools and in house built add-ons for network monitoring: including time series data storage, visualization and reporting.
    * Elasticsearch, Logstash and Kibana for storage/retrieval, parsing, and visualization of syslog data from devices ranging from PDUs to core switches.
    * Supporting deployment engineer and troubleshooting problems in production.
  - **PNDA Project**:
    * PNDA Big data network analytics toolchain on Openstack cloud.https://github.com/pndaproject/
  - **Big Data Analytics Engine**:
    * Writing REST API methods in Java Spring and front-end in Angularjs.
    * Design and deployment of Hadoop cluster and data streaming pipeline from relational data sources to HIVE.
    * Apache Oozie Cron jobs for scheduling scripts in HDFS.
  - **Govt.KPK Colleges Internet Access Request System**:
    * Lead the Analysis, design and implementation of the solution with MERN stack.
    * Using Git for version control and CICD 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 SAT solver. 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.