

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++, 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.

WORK EXPERIENCE

- **Folio3 Software**
Senior Software Engineer *December 2019 - present*
 - **Enterprise Integration Software:** Maintenance and extension of a large code base.
- **Involve 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.