

EDUCATION

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

TECHNICAL SKILLS

- **Programming:** C++, Javascript, Java, Python.
- **Web:** NodeJS, React, AngularJS, Django REST, php.
- **Libraries/Frameworks:** CUDA C++, Numpy, Pandas, SuiteScript.
- **Databases:** MySQL, MongoDB, Elasticsearch, Graphite, HIVE.
- **Data visualization:** Grafana, BIRT, Jasper Reports.
- **Network monitoring:** Nagios, Prometheus, Icinga2, ELK stack, Splunk.
- **Cloud :** Openstack, AWS, GCP, Docker, Kubernetes.
- **ERP:** Netsuite.

WORK EXPERIENCE

- **Folio3 Software**
Sr. Software Engineer *December 2019 - present*
 - **Enterprise Integration Software:** Maintenance and extension of a large code base.
- **Involve Technologies**
Sr. 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/>
 - **KPK College Students' Internet Access System:**
 - * Lead the analysis, design and implementation of a product that is used by hundreds of college students for accessing internet. 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 data oriented 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.