

## EDUCATION

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

## TECHNICAL SKILLS

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- **Programming:** Javascript, Python, PHP, C++, Java.
- **Web:** Node.js, Reactjs, AngularJS, Django REST.
- **Libraries/Frameworks:** Nvidia CUDA, Numpy, Pandas, SuiteScript.
- **Databases:** MySQL, MongoDB, Elasticsearch, Graphite, HIVE.
- **Data visualization:** Grafana, BIRT, Jasper Reports.
- **Network monitoring:** Elasticsearch, Nagios, Prometheus, Icinga, Splunk.
- **Cloud :** Openstack, AWS, GCP, Docker, Kubernetes, Netsuite ERP.

## WORK EXPERIENCE

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- **Folio3 Software**  
*Sr. Software Engineer* *December 2019 - present*
  - **Netsuite ERP Customization:** Business process customization solutions with Suitescript and Reactjs.
  - **ERP Connector:** Development of a product that integrates Netsuite to various ERP and Ecommerce systems.
- **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>
  - **Systems 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.