

EDUCATION

National University of Computer and Emerging Sciences

• *BS Computer Science, CGPA 3.03/4.0*

2012 – 2016

TECHNICAL SKILLS

- **Programming:** JavaScript, TypeScript, Python, Java, C++, Rust.
- **Web:** Node.js, React, Flask, HTML, CSS.
- **Libraries:** Pandas, Numpy, Nvidia CUDA, SuiteScript.
- **Databases:** MySQL, Postgres, MongoDB, Elasticsearch, Graphite, Influxdb, Hadoop, Apache Hive.
- **Data visualization:** Grafana, Kibana, BIRT.
- **Network monitoring:** Prometheus, Elasticsearch, Nagios, Icinga.
- **Automation:** Puppet, SaltStack.
- **Cloud :** Openstack, AWS EC2, GCP, Kubernetes, Netsuite SuiteCloud.

WORK EXPERIENCE

Seed Labs

• *Sr Software Engineer*

Oct 2021 - Present

- **Firefly:** Writing code for a fast and low-fee decentralized financial exchange.

Folio3 Software

• *Sr Software Engineer*

Nov 2019 - Sep 2021

- **Netsuite ERP Customization:** Business process design and customizations with Suitescript and React.
- **Ecommerce Connector:** Development of a connector that integrates Oracle Netsuite with e-commerce systems.

Involve Technologies

• *Sr Software Engineer*

Jul 2019 - Nov 2019

- **Hybrid-cloud Middleware:** Took part in the integration of Openstack with other public cloud services.
- **Monitoring system:** Developed a monitoring solution for Openstack's cloud using tools including Ceilometer, Gnocchi, Elasticsearch, Graphite and Grafana.

Cloud9 Networks FZE

• *Software engineer*

Jul 2016 - Jun 2019

- **Cloud Monitoring Software:**
 - * Developed a logging, monitoring and alerting system for Openstack cloud.
 - * Integrated a telemetry system for Openstack cloud.
- **Network Monitoring System:**
 - * Development of a network monitoring system that monitors thousands of customer premises equipment: collects and stores metrics. Built monitoring dashboards for data visualization and integrated alerting and ticketing systems.
- **Big Data Analytics Engine:**
 - * Developed a REST API in Java Spring and frontend in AngularJS.
 - * Designed and deployed a Hadoop cluster and created BIRT reports from HIVE. Created Oozie jobs to schedule HIVE scripts.
- **PNDA Project:**
 - * Deployed PNDA Big data network analytics toolchain on Openstack cloud.

FAST-NUCES

• *Research Assistant*

Jan 2015 - Jun 2016

- **Research Assistant - Machine Learning:** Research on puzzle solving using various data-driven techniques. Applied deep learning algorithms on puzzle solutions generated from Copris Theorem Prover.
<http://dx.doi.org/10.14569/IJACSA.2017.080364>
- **Systems Engineer - Nvidia HPC Lab of FAST NUCES:** Designed and deployed a Message Passing Interface(MPI) and Hadoop cluster for HPC class of fall-2015.