

# Saqib Arfeen

saqib.arfeen@gmail.com, <https://github.com/saqibarfeen>, +92 3466311199, <https://www.linkedin.com/in/mohamedsaqib>

A software engineer having 6+ years of experience, currently seeking a backend-engineer position. My expertise is to research and design software solutions for complex mathematical and business problems. Looking to make positive contribution to the society.

## EDUCATION

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

## EXPERIENCE

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- **Seed Labs** Karachi  
• *Sr Software Engineer* Oct 2021 - Present
  - **Firefly**: Writing code for a fast and low-fee decentralized financial exchange.
- **Folio3 Software** Karachi  
• *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** Karachi  
• *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** Dubai  
• *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** Karachi  
• *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.

## TECHNICAL SKILLS

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- **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**: Github Actions, Puppet, SaltStack.
- **Cloud** : Openstack, AWS EC2, GCP, Kubernetes, Netsuite SuiteCloud ERP.