

## SUMMARY

Software engineer • Backend engineer • Data engineer

Software engineer with 7 years of specialised experience in SaaS, No-code, ERP, Cloud, and Big Data.

Recognised for deep technical expertise and tackling research-intensive challenges, often pioneering groundbreaking methodologies.

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## SKILLS

- Programming Languages: JavaScript, TypeScript, C++, Java, Python, Go
- Programming Frameworks: Spring, Express, React, Netsuite SuiteCloud Platform, Nvidia CUDA
- Databases: Postgres, MySQL, MongoDB, Elasticsearch, Graphite, InfluxDB, Hadoop, Spark, Ninox
- Cloud & Distributed Systems: OpenStack, AWS Lambda EC2 EKS SQS SES, Hadoop MapReduce, Kafka, RabbitMQ, Redis
- SRE/DevOps: Kubernetes, Prometheus, CI/CD with Circle CI and Github Actions, Ansible, Puppet, Nagios, Icinga
- Data Visualisation: Grafana, Kibana

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## EXPERIENCE

**Ninox Software GmbH** (ninox.com), Berlin

**Nov 2022 – Present**

### Senior Software Engineer

- Contributed to engineering high-impact features that elevated product competitiveness and quality, correlating with a growth of 25% in ARR.
- Conceptualised and prototyped software architectures, effectively bridging technical possibilities with product vision through close collaboration with product owners.

**Seed Labs**, Karachi

**Oct 2021 – Sep 2022**

A startup company building a decentralised exchange (DEX) for crypto derivatives.

### Senior Software Engineer

- Designed and implemented a robust persistence and fault-tolerance mechanism using Kafka, elevating system resilience and data integrity.
- Achieved a 10x improvement in build times by meticulously instrumenting and optimising critical backend components, including the order-matching engine and blockchain settlement layer
- Executed a strategic migration to Kubernetes, resulting in an 80% reduction in fixed infrastructure costs, enhancing scalability and operational efficiency.

**Folio3 Software Inc**, Karachi

**Nov 2019 – Sep 2021**

## Senior Software Engineer

- As a Senior Engineer on the Netsuite ERP team, spearheaded the development of business process customisations and integrations, delivering high-quality projects that fostered long-term partnerships with multiple Fortune 500 companies.
- Initiated and curated an in-house knowledge base focused on ERP design patterns and business workflows, resulting in a 50% reduction in development costs for routine projects.

**Ivolve Technologies**, Karachi

**Jun 2019 – Nov 2019**

## Senior Software Engineer

- Recruited, trained and helped build the team to transition the product development from an outsourced contractor to in-house, increasing agility and reducing time to market.
- Hybrid-cloud Middleware: Integrated OpenStack with other cloud services.
- Monitoring system: Developed a Single Pane of Glass monitoring solution for OpenStack's cloud using tools including Ceilometer, Gnocchi, ElasticSearch, Graphite and Grafana.

**Cloud 9 Networks**, Karachi

**July 2016 – May 2019**

## Software Engineer

- Onboarded when the founders started to build a big-data software solution for a large “customer loyalty card payment system” within the MENA region. Later developed two more products from zero to production.
- Played a key role in the research, design and implementation of various SaaS products including B2B Business Intelligence, OpenStack cloud monitoring and network infrastructure monitoring.
- Built the products in cycles of weeks instead of months e.g [bit.ly/siem-saqib](http://bit.ly/siem-saqib)
- Trained new developers, and helped them become effective engineers at the company.
- Pivoted and delivered a new product for Actionable Intelligence in IT that won the contract from a top telecom provider of Pakistan.

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## EDUCATION

**BS, Computer Science CGPA: 3.03/4.0**

FAST National University of Computer and Emerging Sciences, Karachi

Registration No. 12K-2322

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## CERTIFICATIONS

- Coursera: [The Data Scientist's Toolbox](#) (CZ4FS4J6T972)
- Coursera: [AI for Everyone](#) (F926BXSQE638)
- Coursera: [Tensorflow on Google Cloud](#) (KJ3QWPW3FJUT)
- Coursera: [IBM Cloud Private: Deploying Microservices with Kubernetes](#) (LD83GGMJ84L5)
- Coursera: [Neural Networks and Deep Learning](#) (UMRA4C82PK8V)