

# Saif Imran Khan

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YT/c/SaifooExplores

## SKILLS

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### Engineering

- **Frontend** - ReactJS, ReactNative, NextJS, VueJS, Apollo, Socket.io Dashboarding, Wireframing, Wordpress
- **Backend** - NodeJS, ExpressJS, PassportJS, GraphQL, Django, Moodle, Scala Play
- **Data** - NoSQL, MonogDB, ElasticSearch, SQL, MySQL, Redis, Scrapy
- **NLP/DL** - Interests in Speech NLP. Huggingface, Pytorch
- **Infra & Ops** - AWS (EC2, Lambda, S3), Firebase, Docker, Github Actions, NGINX, Jenkins, Git, Unix
- **Languages** - TypeScript, JavaScript, Python, SQL, Bash, PHP, Scala, Go
- **Design** - Adobe Suite (Ps, Il, Ae, Pr, Lr, XD), Balsamiq, Sketch, Procreate, OBS
  
- **Language Skills** - Fluent Business English and Intermediate German.

## PROFESSIONAL EXPERIENCE

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### Spotify.com

Hamburg, Germany

*Full-Stack Software Engineer*

2022.02 - present

- Building data pipelines at scale for B2B identity management platforms with Spotify systems.
- Tools: TypeScript, ReactJS, ElasticSearch, RabbitMQ, OAuth2.0, SAP Gigya, Okta

### ZBW – Leibniz-Informationszentrum Wirtschaft

Kiel, Germany

*Research Assistant*

2020.08 - present

- Building and schema designing for Institutional Repositories (IR) and data management platform using LOM.
- Tools: ElasticSearch, Docker, IONOS, Invenio Software, Moodle, MonogDB

### Buying Labs GmbH

Hamburg, Germany

*Part-Time Web Automation Engineer*

2021.11 - 2022.02

- Writing automated E2E test cases for the B2B web application used by 1500+ daily users.
- Tools: Puppeteer, Jest, Typescript, MongoDB, Github Actions, Excel parsing, AWS, Docker

### OWL2GO.de

Kiel, Germany

*Part-time Full-Stack Developer*

2021.05 - 2021.11

- Creating and updating UI (CRUD forms & Dashboards) in ReactJS using TypeScript. Wordpress integration.
- Writing backend APIs using TS. Tools: MonogDB aggregation, Firebase, JWT, Google Maps, Stripe

### WebWikinger GmbH

Kiel, Germany

*Working Student Full-stack Developer*

2020.08-2021.04

- Creating PlentyMarkets Widgets and Plugins. Creating UI for integration of various API services and crons.
- Tools: PlentyMarkets, Laravel, VueJS, Google Maps API, DHL API, SEPA API.

### Xing.com

Hamburg, Germany

*Working Student Frontend Developer*

2019.03-2020.07

- Building internal tools for Data Science team. Responsible for creating dashboards APIs and UIs.
- UI development for managing Xing Master Ontology. Tools: ReactJS, Scala Play, ApexCharts, MUI, Redux

*Working Student Business Analyst*

2018.08-2019.02

- Xing Jobs department. Responsible for automation scripts for jobs listing extraction.
- Solely built a custom library for PDF text extraction and then converting them into styled HTML.

### Afiniti.com

Karachi, Pakistan

*Fulltime Analyst Software Engineer (frontend)*

2017.01-2018.08

- Designed and developed Web-App of Regression testing tool on VueJS, .NET MVC with graphs.

## RESEARCH EXPERIENCE

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### ZBW – Leibniz-Informationszentrum Wirtschaft

Hamburg, Germany

Research Assistant @ *coco-projekt.de*

2022.03 - Present

- Building a platform for Institutional Repositories (IR) and data management.
- Assisting in schema design, maintaining and management. Using LOM.
- Tools: ElasticSearch, Docker, IONOS, Invenio Software

Research Assistant @ *berd-nfdi.de*

2022.03 - Present

- Planning and designing infrastructure of the project along with other team members.
- Tools: Docker, Terraform, AWS, IONOS

Research Assistant @ *EDUARC*

2020.08 - 2022.03

- Creating a tool for scraping, indexing and retrieval for Open-Education Resources (OERs).
- Working in data scraping and data modelling team. Tools: ElasticSearch, Moodle, MonogDB

## EDUCATION

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### Christian-Albrechts-Universität zu Kiel

Kiel, Germany

Masters of Computer Science

2018.04-present

### Institute of Business Administration, Karachi

Karachi, Pakistan

Bachelors of Computer Science

2017

## PROJECTS

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- eQuran.app - Building a platform for autonomous Arabic and Quran learning for Muslims around the globe. Enable expert Quran teachers in developing world with tools and resources to reach out to students in developed world.  
Tools: Huggingface NLP, Bubble.io, Whereby video calling, Stripe. - *Social Startup* April, 2022
- Subject Generation Analysis - Compare subject generation using Title vs Abstract vs Full-text and compare which one performs better using BERT model. In progress.  
Tools: Annif. BERT. Huggingface. *Master Thesis* Sep, 2021
- Saifoo Explores - YouTube channel with topics: tech, productivity, education, travel & lifestyle. 2019
- Parhako.com - Integrated social network and Learning Management System for students & teachers in Pakistan. Along with a team in Pakistan, envisioned and led a team of four developers to build a modern platform.  
Tools: AWS, BigBlueButton, NextJS, GraphQL. - *Social Startup* Nov, 2020
- Instagram Bot using REST API and Selenium for auto-interaction using Python. - *Freelance* May, 2019
- Augmented Reality App. Pictures to 3D model generation using ARToolKit. - *Freelance* Dec, 2017
- Gap Analysis against ISO 27001 - *IT Security Internship @ Business Beam Pvt Ltd* Aug, 2017