Syed Muhammad Khizar Alam

DOB: 26-10-1992
Address: Bamberg, Bavaria, Germany
E-mail: smkhizar.alam@gmail.com
Phone: +4915128946891
LinkedIn: linkedin.com/in/smkhizar-alam/
Skype: smkhizar_alam@outlook.com

Dedicated and motivated in the field of computer science and looking forward to achieve more in Information technology by working at a full time position as a React Native developer or a Full Stack developer.

EDUCATION

M.Sc. International Software Systems Science
Sep 2017 — Jan 2021

Otto-Friedrich-University Bamberg

Key Courses:

Advanced Data Management, Machine Learning, Distributed Systems Architecture and Middle-ware, Micro-Services & Containerization, Introduction to Distributed Systems

Bachelor of Science in Computer Science
Jan 2012 — Dec 2015

University Of Karachi

Key Courses:

Object Oriented Programming, Data Structures, Data Communication & Networking, Advance Software Engineering

WORK EXPERIENCE

Pinestack GmbH & Co.KG
Apr 2021 — Present

React Native Developer

- Created and maintained Smart Building Application based on React Native.
- Integrated Redux with React Native for state management for performance.
- Made services using Kotlin & Swift and used as Native Functions in App.
- Released App for different clients using a base App with customer branding on top.
- Integrated hardware related SDKs with React Native App.
- Lead Front-End department in development of company progressive WebApp on Vue.
- Integrated Shopify Payment gateway for booking management in Apps and Website.

Symanto Research GmbH & Co.KG
Mar 2018 — Jan 2021

Working Student As Software Developer

- Assisting in the development of .NET code with REST API for Management platform
- Assisting in the development of Angular/UI code assets for Platform user interface.
- Creating API crawlers using .NET and Microsoft Azure Services
- Using Microsoft Azure DevOps for publishing,fixing and maintaining company code.
- Implemented Queues for data insertion from API crawlers into Azure NoSQL database.

Softack LLC   Aug 2014 — Dec 2014

Internship as Android Developer

- Creating applications on Android platforms using eclipse and android studio.
- Maintaining source code with Bitbucket and Git.
- Handling Database, API's integration, application distribution on the store, pushing updates after a certain time period.

SKILLS

- React Native
- Redux
- JAVA (SE / EE
- Vue JS
- Kotlin
- React/Node JS
- Typescript
- Javascript/ES6
- C# / (.Net)
- Android
- HTML / CSS / SASS
- REST
- Dockers
- Microservices
- Spring / Spring Boot
- Hibernate
- GitHub / GitLab
- Azure DevOps
- SQL / NoSQL
- Eclipse
- MS Visual Studio
- MS Office
- C
- IntelliJ IDEA

PROJECTS

React Native Smart Building App: **Apr 2021 - Present**

- Implemented door locks system using BLUEID SDK and integrated with React Native App.
- Used MQTT for controlling Elevators, Lights, Heating & Ventilation Control of building from the application.
- Implemented Authentication system using OAuth 2.0 and connected with KeyCloak .
- Created a booking management system for Rooms in a building.
- Used RabbitMQ for chat system in application.
- Implemented Live Map View of floors and rooms of a building with presence sensors.
- Implemented Beacons Scanning for indoor positioning and nearby hardwares in buildings.
- Integrated Shopify SDK in app for booking payments.
- Used Microsoft App Center for Dev Builds of application.
- Wrote Scripts for automated deployment on App Center from Gitlab.
- Used Fastlane tool for building Alpha, Beta & Release versions of React Native App.
- Used Typescript for development & Redux with Saga for State Management.

Master Thesis: **Oct 2019 - Jan 2021**

- Development of a Embedded solution for mobile air quality monitoring using sensors.
- Making device local processing fast using JAVA threading.
- Creating device sleeping functionality to make embedded deivce energy efficient.
- Resolving latency issue using MQTT.
- Handle loss of connectivity in remote areas using RabbitMQ Cache mechanism.
- IoT-Platform Thingsboard dashboard creation for device management, data collection, processing, and visualization.

.Net Online Data Crawler

Mar 2019

- Create Amazon crawler for fetching comments using C# (.Net).
- Used MS Office Interop Excel library for local processing of data in Excel.
- Implemented Queue mechanism using Microsoft Message Queuing (MSMQ).
- Used Microsoft Azure Cloud Storage for database.
- Azure Pipelines continuous integration for building and testing code.

Beverage Store Management (JAVA EE Project)

Nov 2017 — Dec 2017

- Store consist a frontend UI to manage all sales activities using Java beans.
- Store orders were managed by JMS queue consumed by the message-driven bean.
- EJB Session beans were implemented for a possibility of multiple salesmen.
- Data management was realized with JPA (Java Persistence API).
- PostgreSQL database was used and Glassfish as a server.
- Servlets were created to handle request response from server.
- BI (Business Intelligence) was implemented to show revenue earned on orders.

Metric-based Quality Analysis for Continuous Integration

May 2019 — July 2019

- Conducted some software quality metrics analysis on Continuous Integration process based on GitLab-CI.
- Used timeseries database Influx DB to store the results of code metrics of projects.
- Created a web application using JAVA EE (jsp/servlets) and a dashboard using GRAFANA to monitor the results.

IoT Application for Smartphones And Beacons Communication Using BLE

Aug 2015 — Dec 2015

- Created an E-commerce app on IOS & Android in a group of 4 people which connects smartphones with beacons (I/O) using BLE (Bluetooth Low Energy)technology.
- A SQL database was created on the backend to store the data of business & consumer.
- Maps API, BLE background services, Bluetooth 4.0 services, database API integration were used.

ACHIEVEMENTS

- Best seminar presentation award on Kubernetes (University Of Bamberg) July 2019
- Best Final year project on IoT (University Of Karachi) Dec 2015
- Certified Google Ads creator for websites and google searching 2020

INTERESTS

- Swimming ■ Tennis ■ Cricket ■ Football ■ Gaming

LANGUAGES

- **English** (Full-Proficiency) ■ **German** (Elementary)

URKUNDE

Aufgrund des erfolgreichen Studienabschlusses im Studiengang

International Software Systems Science

verleiht die Otto-Friedrich-Universität Bamberg

Following successful completion of the requisite courses in

International Software Systems Science

the Otto-Friedrich University Bamberg confers upon

Vorname(n) Nachname
Name(s) (first, last)

Syed Muhammad Khizar Alam

geboren am
born on

26.10.1992

den akademischen Grad*
the degree of

MASTER OF SCIENCE (M.Sc.)

Bamberg, 21. April 2021

Präsident
President

Prof. Dr. Kai Fischbach

*Dieser akademische Grad kann auch mit der folgenden Herkunftsbezeichnung geführt werden:
"Master of Science (Univ. Bamberg)" bzw. "M.Sc. (Univ. Bamberg)"
*Attainment of this degree confers the right to use the title
"Master of Science (Univ. Bamberg)" and the abbreviation "M.Sc. (Univ. Bamberg)"

Symanto Research GmbH & Co. KG
Pretzfelder Str. 15
90425 Nürnberg
Deutschland

To whom it may concern,

As the CTO at Symanto Research, it is my responsibility to assemble and coordinate a team capable of creating a cloud software product that brings many different computer and data science disciplines together.

The product we are building requires careful consideration towards computational cost, scalability of the product, scaling down being just as important as scaling up, the ease with which we can maintain and debug the product, and of course, the application of machine learning in an industry that is going through paradigm shift after paradigm shift.

Khizar Alam is one of the wonderfully talented people I have the pleasure to work with within this challenging and fulfilling role. He is a student software developer with a strong understanding in the areas of software development for distributed systems and software maintenance. His contributions to the development of our machine learning platform software has helped the team and company level up the maturity of our solutions on many occasions.

Khizar worked on a variety of projects and completed numerous tasks. The most important can be summarized as follows:

-   Assisting in the development of .NET code for our REST API and machine learning data pipeline
-   Assisting in the development of Angular/UI code assets for our Platform user interface
-   Setup and monitoring of our crawling automation

He is one of those quiet achievers who likes to take on any form of problem to ensure the team is successful. He is a hard-working, highly respected, and intelligent team member.

I have absolutely no hesitation in recommending Khizar to future employers and have the utmost trust that he will succeed wherever he chooses to go.

Sincerely Yours,

Aaron Gregg
CTO, Symanto Research

To whom it may concern,

As the director of Engineering at Symanto Research, it is my responsibility to assemble and coordinate a team capable of creating a cloud software product that brings many different computer and data science disciplines together.

The product we are building requires careful consideration towards computational cost, scalability of the product, scaling down being just as important as scaling up, the ease with which we can maintain and debug the product, and of course, the application of machine learning in an industry that is going through paradigm shift after paradigm shift.

Khizar is one of the wonderfully talented people I have the pleasure to work with within this challenging and fulfilling role. As a working student in our company, he exceeds our expectations with a thorough understanding across many topics. He has great knowledge in technologies such as Java, .Net and TSql.
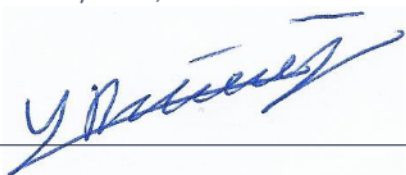
Khizar worked on a variety of projects and completed numerous tasks. The most important can be summarized as follows:
- Designing and developing of our software
- Helping non-tech staff in our company

He is one of those achievers who likes to take on hard problems and will freely sacrifice his own tasks to ensure the team is successful. He is a hard-working, highly respected, and intelligent team member.

I wish Khizar Alam the very best for his future and have the utmost trust that he will succeed wherever he chooses to go.

Sincerely Yours,

Yusuf Demirag

Director of Engineering, Symanto Research

symanto

Symanto • Pretzfelder Str. 15 • 90425 Nürnberg

Syed Muhammad Khizar Alam
Judenstraße 2
96049 Bamberg

Nürnberg, 24.10.2019

Internship confirmation

We hereby confirm that, Mr. Syed Muhammad Khizar Alam, born on 26.10.1992, did an internship from 12.02.2019 to 27.06.2019 in the Crawling Support and Development /R & D Department with 380 working hours at:

Symanto Research GmbH & Co. KG
Pretzfelder Str. 15
90425 Nürnberg
Deutschland

Mr. Alam carried out the following activities in our company:

- Crawling Data for companies from different sources such as Forums, Social Media etc. for sentiment analysis and feature detection
- Creating API Crawlers using NET Framework and Microsoft Azure as PaaS (Platform As a Service)
- Doing Project Support for Commercial and Category department and using Microsoft Azure DevOps for publishing, fixing and maintaining company code

If you have any questions, please do not hesitate to contact us.

Best regards,

Seda Yildiran
HR Specialist

IELTS™

Test Report Form

ACADEMIC

NOTE *Admission to undergraduate and post graduate courses should be based on the ACADEMIC Reading and Writing Modules.*
*GENERAL TRAINING Reading and Writing Modules are **not** designed to test the full range of language skills required for academic purposes.*
It is recommended that the candidate's language ability as indicated in this Test Report Form be re-assessed after two years from the date of the test.

Centre Number	PK601	Date	16/JUL/2016	Candidate Number	002334

Candidate Details

Family Name	ALAM
First Name	SYED MUHAMMAD KHIZAR
Candidate ID	CS1753691

Date of Birth	26/10/1992	Sex (M/F)	M	Scheme Code	Private Candidate

Country or Region of Origin	
Country of Nationality	PAKISTAN
First Language	URDU

Test Results

Listening	7.0	Reading	6.5	Writing	6.0	Speaking	6.5	Overall Band Score	6.5	CEFR Level	B2

Administrator Comments

Centre stamp

AEO
PAKISTAN
PK 601
KARACHI

Validation stamp

VALIDATION STAMP
IELTS
CAMBRIDGE ENGLISH / BRITISH COUNCIL

Administrator's Signature   *RBaig*

Date	06/09/2016	Test Report Form Number	16PK002334ALAS601A

BRITISH COUNCIL   idp IELTS AUSTRALIA   CAMBRIDGE ENGLISH Language Assessment Part of the University of Cambridge

The validity of this IELTS Test Report Form can be verified online by recognising organisations at http://ielts.ucles.org.uk

Seat No. 1249105

سیٹ نمبر ۱۳۴۹۱۰۹

University of Karachi

گَراچی یُونیوَرسِٹی

FACULTY OF SCIENCE
B. S. (Computer Science)

کلّیہ علوم

بی۔ایس (کمپیوٹرسائنس)

Whereas SYED MUHAMMAD KHIZAR ALAM
S/O SYED MUHAMMAD NOOR ALAM

has pursued a course of study prescribed by this University for the Bachelor's Degree in Computer Science (B.S.) in the faculty of Science and has passed the requisite examination held in 2016

It is hereby certified that he / she has been duly admitted to the degree of B.S. (Computer Science) in this University.

ہرگاہ سیّد محمّد خضر عالم ولد سیّد محمّد نور عالم

نے کلّیہ علوم کے مضمون کمپیوٹرسائنس میں بی۔ایس کی سند کے لئے اس جامعہ کے منظورہ نصاب کی تکمیل کرلی ہے اور مطلوبہ امتحان منعقدہ ۲۰۱۶ میں کامیابی حاصل کرلی ہے۔

لہذا تصدیق کی جاتی ہے کہ انھیں اس جامعہ میں بی۔ایس کمپیوٹرسائنس کے درجہ پر فائز کیا گیا۔

معظّم علی خان

مسجّل

Registrar

Vice-Chancellor

محمّد اجمل خان
شیخ الجامعہ

Dated Karachi, the 10TH FEBRUARY 2017

کراچی، بتاریخ ۱۰ فروری ۲۰۱۷

Note :- *Detailed transcripts of examination results have been issued separately.*

امتحان کے مضامین اور حاصل کردہ نشانات کی تفصیلات علیحدہ جاری کی گئی ہیں۔