Muhammad Yasir Junaid

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Nationality: Pakistani

WORK EXPERIENCE

| Jan 2022 – Present | Senior Software Engineer | *(Full Time)* |

Wingcopter GmbH

- Design and develop high-performance Java-based services in a complex system landscape.
- Implement and develop modules of LTE-Hub in a copter. Accompany the software project from design to production together with the team.
- Conception and development of ETL processes for the proposed data model as well as efficient implementation.

Technologies: Java, Spring Boot, C++, KVM, Apache Kafka, Kubernetes

| Nov 2021 – Dec 2022 | Software Engineer | *(Full Time)* |

Advaneo GmbH

- Maintain and support the existing portfolio of applications which includes data marketplace and secured data hub.
- Research and integrate the data flow automation and management tools with connector and data hub in a secured environment.

Technologies: Java, Spring Boot, NextCloud, Apache NiFi, Kafka, Keycloak

| March 2021 – Nov 2021 | Research Assistant | *(Work Student)* |

Fraunhofer Institute for Software and Systems Engineering ISST

- Support the Conception and Development of digital health applications, taking into account the legal framework (e.g., DVG, E-Health Act)
- Worked on integration of KeyCloak (IAM) and also developed its user management application.

Technologies: Java, Spring Boot, Vaadin, Docker, KeyCloak, LDAP, Vagrant.

| Feb 2020 – Oct 2020 | Senior Software Engineer | *(Full Time)* |

Synametrics Technologies

- Developed Xeams as a Service (XAAS), which provides an option for companies to use the existing product Xeams hosted on a third-party cloud service like AWS, Azure, Wasabi etc.
- Developed a feature in Syncrify in which users have an option to back up all their data to third party cloud services like AWS, Azure, Wasabi etc.
- Managed and trained junior engineers and also provide support to enhance the security of products related to cryptography and anti-viruses.

Technologies: Java, BitBucket, JIRA, Confluence, AWS, Azure, Synametrics Rapid Application Development Framework (SRADEF)

Nov 2019 – Feb 2020	**Research Associate**	*(Full Time)*

National Centre for Cyber Security (NCCS)

- Researched and explored on multiple tools like ClamAV antivirus, Sandboxing techniques, Malware analysis, KaliLinux tools.
- Participated in research and technical documentation of the Endpoint Protection domain and in Mobile Forensics domain.

Technologies: C, C++, Python, Security Information and Event Management (SIEM).

Apr 2018 – Oct 2019	**IT Application Consultant**	*(Full Time)*

Bayer Pakistan (Private) limited

- Part of the Country Platform (CPL) team in the Information Technology department which assists multiple departments of the company and also helps Bayer global to implement IT policies.
- Design and developed modules in Asset Management System (AMS) to make it more efficient and secure the confidential data of their users.
- Provides assistance and specify automation needs in Crop Sciences business like applications such as Kitabcha, Click and Go, BConnect.
- Worked with Pharmaceuticals and Consumer Health managers to enhance their sales by introducing automation tools like Jotter for web-based administration and Baystar for iPad based medical representatives.
- Also assist in implementing the HR based Time Information Systems (TIS), Human Capital Management (HCM) and Harmony (internal tool).

Technologies: ASP.Net, C#, MVC, PHP, Java, JavaScript, HTML, SQL, SharePoint, Tableau, SAP authorization.

Feb 2018 – Jun 2018	**Visiting Faculty**	*(Part Time)*

SZABIST University

- Taught C Programming language (ME-2301-T) course to the first-year students of Mechatronics Department and also introduced them the Object-oriented concepts using C++.

Apr 2017 – Mar 2018	**Software Engineer**	*(Full Time)*

TPS Pakistan Private Limited

- A part of the core development team in Service Delivery – Switching department.
- Modify the switches (IRIS – C++ based product) for banks of Pakistan namely Habib Bank, United Bank Limited (UBL), Allied Bank for their Alternate Delivery Channels (ADC) such as ATMs, Online Banking, Mobile Banking and Online Payments gateways.

Technologies: C, C++, C#, MVC, MS-SQL, PL/SQL, Oracle, Hardware Security Module (HSM) and SOAPUI.

Dec 2015 – Dec 2016	**Research Assistant**	*(Voluntarily)*

HPCC (High Performance Computing Centre)

- Researched on Cyber Security modules like Cryptography and Hybrid Algorithms such as XOR-CIPHER, ROT-13 and implementation of Advanced Encryption Algorithm (AES) in parallel computing.
- Enhance the computing power of processors using GP-GPUs with OpenCL and CUDA programming frameworks.

Technologies: C++, OpenCL, Cryptography, HTML, CSS, JavaScript, XML.

Jun 2015 – Jul 2015	Internee	*(Apprenticeship)*

Inseyab Consulting & Information Solutions LLC

- Provide support on the ongoing industry projects and gain training on Business Intelligence tools. Evaluate metrics and perform data analytics.

Technologies: MicroStrategy, Java, Python, JavaScript.

Job Related Skills

General Programming: C, C++, OpenCL, C#, Java, Python, R

Web Development: Spring Boot, Vaadin , ASP.NET, JSP, JavaScript, HTML/CSS, WordPress

Databases: SQL-Server, Oracle, MySQL, MongoDB, H2

Operating Systems: Windows Server, Linux (RedHat, Ubuntu, openSUSE)

Tools and Automation: GitHub, Git GUI, Atlassian JIRA, Confluence, Bitbucket, Microsoft Teams, SharePoint, Visual Studio, Office, MicroStrategy, Tableau, SOAPUI, MATLAB, Proteus, Easy NN, Shell/Perl.

EDUCATION

2020 – In Progress

Master's in science (**Data Science**)

Technische Universität Dortmund, Germany

2013 – 2016

Bachelor of Engineering (**Computer & Information System Engineering**)

NED University of Engineering and Technology, Pakistan

Final Year Project: *"Secured and Optimized Solution for Accessing Cloud"*- sub module of Cloud Data Security. The purpose of this project is to provide a SaaS application to the end-user for storing the data in a secure and efficient manner through a third-party encryption server using GP-GPUs. Technologies: C++, Java, OpenCL, AES cryptographic algorithm, REST and SOAP api's, Openstack Cloud.

Research Based Project: Pakistan National Student Satellite Program (PNSSP), SUPARCO (Second and third year)

Scholarship: Received a **"Merit Scholarship"** by Pakistan London Foundation (PLF)

ADDITIONAL INFORMATION

Online Courses and Certifications

- Python Basics
  https://www.coursera.org/account/accomplishments/verify/4A9CSYPCHPW6

- Information Security: Context and Introduction
  https://www.coursera.org/account/accomplishments/verify/R6WX7JD8TM94

- Structuring Machine Learning Projects
  https://www.coursera.org/account/accomplishments/verify/SSP9W4JXHQ59

- Project Management: The Basics for Success
  https://www.coursera.org/account/accomplishments/verify/JFLJT43RWTNV

- Programming and Interfacing of AVR Microcontroller (NED) – July 2014

Languages Skills	**English**	**German**	**Urdu**
	C1/Good User	A1	Native