



## Muhammad Yasir Junaid

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**Nationality:** Pakistani

### WORK EXPERIENCE

Jan 2022 – Present	Senior Software Engineer <b><u>Wingcopter GmbH</u></b> ➤ Design and develop high-performance Java-based services in a complex system landscape. ➤ Accompany the software project from design to production together with the team. Documentation of software architectures and know-how transfer. ➤ Conception and development of ETL processes for the proposed data model as well as efficient implementation. <b>Technologies:</b> Java, Spring Boot, C++, KVM	(Full Time)
Nov 2021 – Dec 2022	Software Engineer <b><u>Advaneo GmbH</u></b> ➤ Maintain and support the existing portfolio of applications which includes data marketplace and secured data hub. ➤ Research and integrate the data flow automate and management tool with connector and data hub in secured environment. <b>Technologies:</b> Java, Spring Boot, NextCloud, Apache NiFi, Keycloak	(Full Time)
March 2021 – Nov 2021	Research Assistant <b><u>Fraunhofer Institute for Software and Systems Engineering ISST</u></b> ➤ 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. <b>Technologies:</b> Java, Spring Boot, Vaadin, Docker, KeyCloak, LDAP, Vagrant.	(Work Student)
Feb 2020 – Oct 2020	Senior Software Engineer <b><u>Synametrics Technologies</u></b> ➤ 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 user 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. <b>Technologies:</b> Java, BitBucket, JIRA, Confluence, AWS, Azure, Synametrics Rapid Application Development Framework (SRADEF)	(Full Time)

Nov 2019 – Feb 2020	<p>Research Associate <span style="float: right;">(Full Time)</span></p> <p><b><u>National Centre for Cyber Security (NCCS)</u></b></p> <ul style="list-style-type: none"> <li>➤ Researched and explore on multiple tools like ClamAV antivirus, Sandboxing techniques, Malware analysis, KaliLinux tools.</li> <li>➤ Participated in research and technical documentation of End Point Protection domain and in Mobile Forensics domain.</li> </ul> <p><b>Technologies:</b> C, C++, Python, Security Information and Event Management (SIEM).</p>
Apr 2018 – Oct 2019	<p>IT Application Consultant <span style="float: right;">(Full Time)</span></p> <p><b><u>Bayer Pakistan (Private) limited</u></b></p> <ul style="list-style-type: none"> <li>➤ Part of Country Platform team of Information Technology which assist Crop sciences, Pharmaceuticals and Consumer Health business domain.</li> <li>➤ Design and developed modules in Asset Management System (AMS) to make it more efficient and securing the confidential data of their users as per Bayer Global guidelines.</li> <li>➤ Provides assistance and specify automation needs in Crop Sciences business like applications such as Kitabcha, Click and Go, BConnect.</li> <li>➤ Worked with Pharmaceuticals and Consumer Health managers to enhance their sales through IT by introducing automation tools like Jotter for web-based administration and Baystar for iPad based medical representatives.</li> <li>➤ Also deals with the HR based Time Information Systems (TIS), Human Capital Management (HCM) and Harmony (internal tool) by helping in deployment phase from third party vendors.</li> </ul> <p><b>Technologies:</b> ASP.Net, C#, MVC, PHP, Java, JavaScript, HTML, SQL, SharePoint, Tableau, SAP authorization.</p>
Feb 2018 – Jun 2018	<p>Visiting Faculty <span style="float: right;">(Part Time)</span></p> <p><b><u>SZABIST University</u></b></p> <ul style="list-style-type: none"> <li>➤ 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++.</li> </ul>
Apr 2017 – Mar 2018	<p>Software Engineer <span style="float: right;">(Full Time)</span></p> <p><b><u>TPS Pakistan Private Limited</u></b></p> <ul style="list-style-type: none"> <li>➤ A part of core development team in Service Delivery – Switching department.</li> <li>➤ Modifications for existing switch (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.</li> </ul> <p><b>Technologies:</b> C, C++, C#, MVC, MS-SQL, PL/SQL, Oracle, Hardware Security Module (HSM) and SOAPUI.</p>
Dec 2015 – Dec 2016	<p>Research Assistant <span style="float: right;">(Voluntarily)</span></p> <p><b><u>HPCC (High Performance Computing Centre)</u></b></p> <ul style="list-style-type: none"> <li>➤ Researched on Cyber Security modules like Cryptography and Hybrid Algorithms such as XOR-CIPHER, ROT-13 and implementation of Advance Encryption Algorithm (AES) in parallel computing.</li> <li>➤ Enhance the processing power using GP-GPUs with OpenCL and CUDA programming frameworks.</li> </ul>

**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 SaaS application to end-user for storing the data in secure and efficient manner through 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**  
C1/Good User

**German**  
A1

**Urdu**  
Native