

PERSONAL INFORMATION

Muhammad Yasir Junaid



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WORK EXPERIENCE17th Feb 2020 – 31st Oct 2020**Software Engineer**Synametrics Technologies, Karachi (Pakistan)

- Worked mainly in Java technologies following Synametrics Rapid Application Development Framework into products.
- Responsible for designing and implementing software products/features including writing specifications and implementation keeping in mind the project timelines, objectives, and goals
- Provide assistance to enhance the security of products regarding cryptography and anti-viruses.

1st Nov 2019 – 15th Feb 2020**Research Associate**National Centre for Cyber Security (NCCS) NEDUET, Karachi (Pakistan)

- Worked on multiple tools and technologies like KaliLinux, C, C++, Python, etc.
- Gain experienced in Cyber Security in the themes of End Point Protection, Internet Security, Digital Forensics and Quantum Technology.
- Provide assistance to End Point Protection team in area of Security Information and Event Management (SIEM) solution and in Mobile Forensics domain.

9 Apr 2018 – 31st Oct 2019**IT Application Consultant**Bayer Pakistan (Private) limited, Karachi (Pakistan)

- Worked in multiple languages and tools: ASP.Net, C#, JavaScript, HTML, SQL, SAP authorization. Provide authorization support to users for ERP systems as per Bayer global guidelines.
- Accountable for IT related part of the development/maintenance and implementation of the applications.
- Provide assistance and support to users for SharePoint systems as per Bayer global guidelines. Also gained experience in known BI tools like Tableau.

6 Feb 2018 – 15 Jun 2018

**Visiting Faculty**SZABIST University, Karachi (Pakistan)

Taught C Programming language (ME-2301-T) course to the first-year students of Mechatronics Department. Define the basic concepts of programming like data types, standard libraries, Decision Control Structure, Loops, Files handling and Object-Oriented introduction.

17 Apr 2017 – 30 Mar 2018

**Software Engineer**TPS Pakistan Private Limited, Karachi (Pakistan)

- A part of core development team in Service Delivery – Switching department.
- Worked in multiple technologies like C, C++, PL/SQL and SOAPUI etc.
- Resolving the production environment issues.

2 Jan 2017 – 10 Apr 2017

**IT Executive**XDReader Private Limited, Karachi (Pakistan)

Worked there on multiple technologies namely PHP, WordPress, Big data and Machine learning etc.

Dec 2015 – Dec 2016

**Research Assistant**HPCC (High Performance Computing Centre), Karachi (Pakistan)

- Researched on Cybersecurity modules like Cryptography and Hybrid Algorithms, such as XOR-CIPHER, ROT-13 and implementation of Advance Encryption Algorithm (AES) in parallel computing. Worked on with GP-GPUs programming frameworks like OpenCL and CUDA.
- Network Security Protocols (IPSEC, IKE, PPTP, SSTP). Cloud Computing framework and its Security.

Jun 2015 – Jul 2015

**Internee**Inseyab Consulting & Information Solutions LLC, Karachi (Pakistan)

Worked on business intelligence tools. Evaluate metrics and perform data analytics.

Job-Related Skills**General Programming:**

C, C++, C#, Java, Python

Web Development:

ASP.NET, JavaScript, HTML, CSS, WordPress, PHP

Databases

SQL, PL/SQL, Oracle, MySQL, MongoDB, Apache HBase

Operating Systems

Windows Server, Linux Server (RedHat, Ubuntu, openSUSE)

Tools and Automation:

GitHub, Microsoft Teams, SharePoint, Visual Studio, Office, SOAPUI, MATLAB, Proteus, EasyNN, Packet tracer, Rational Rose, Wireshark etc.

EDUCATION AND TRAINING

2020 **Masters in Data Science (M.Sc.)**

Technische Universität Dortmund, Dortmund (Germany)

2013 – 2016 **Bachelor of Engineering (Computer & Information System Engineering)**

NED University of Engineering and Technology, Karachi (Pakistan)

Research Based Project: Pakistan National Student Satellite Program (PNSSP), SUPARCO
Scholarship: Received a “**Merit Scholarship**” by Pakistan London Foundation (PLF)

PERSONAL SKILLS

Foreign language(s)	UNDERSTANDING		SPEAKING	WRITING
	Listening	Reading		
English	6.0	7.0	6.0	6.0
IELTs Overall Score	6.5 Band, CEFR B2 level			

Organisational / Managerial skills

- Served as *Managing Director* in IEEE-NED Computer Society from Jan 2015 till Jan 2016, core responsibility was to manage Management, Logistics and Marketing teams and also responsible for booking speakers and promoting for different events.
- Served as *Marketing Director* in Media Arts and Photography Summit (MAPS) held by NED Photography Society (NPS) from Jan 2016 to Dec 2016. Our team responsibility was to gather the sponsors and to devise the proper marketing strategy for the event.

ADDITIONAL INFORMATION

Online Courses

- Python Basics by University of Michigan on Course Era – <https://www.coursera.org/account/accomplishments/verify/4A9CSYPCHPW6>
- Information Security: Context and Introduction by University of London & Royal Holloway, University of London on Course Era – <https://www.coursera.org/account/accomplishments/verify/R6WX7JD8TM94>
- Structuring Machine Learning Projects by Deeplearning.ai on Course Era – <https://www.coursera.org/account/accomplishments/verify/SSP9W4JXHQ59>
- Project Management: The Basics for Success by University of California, Irvine on Course Era – <https://www.coursera.org/account/accomplishments/verify/JFLJT43RWTNV>

Certifications

- Certificate in Information Technology (TTC) – July 2010
- Certificate in C Language (Computer Collegiate) – July 2013
- Certificate in Dot net framework 4.5 (SSUET) – September 2014
- Programming and Interfacing of AVR Microcontroller (NED) – July 2014
- Web Engineering Course (NED) – February 2015
- Islamic Code for Trade & Business (IBA-CEIF) – August 2017

Sports and Activities

- Table Tennis
- Traveling
- Music (Guitar)