Muhammad Yasir Junaid

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Nationality: Pakistani

WORK EXPERIENCE

March 2021 – In Progress

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)
➢ Model and implement the necessary workflows and applications and ensure interoperability and integration with the systems to be connected on the basis of established standards.

Feb 2020 – Oct 2020

Senior Software Engineer *(Full Time)*

Synametrics Technologies

➢ Design, develop and integrate three applications including two customer-specific products: Syncrify and Xeams.
➢ Participate in development and support using different technologies like Java programming language following Synametrics Rapid Application Development Framework (SRADEF), Atlassian Bitbucket, JIRA, Confluence and also perform integration with third party cloud vendors like AWS, Azure etc.
➢ Managed and trained junior engineers, also provide support to enhance the security of products related to cryptography and anti-viruses.

Nov 2019 – Feb 2020

Research Associate *(Full Time)*

National Centre for Cyber Security (NCCS)

➢ Researched and explore on multiple tools like ClamAV antivirus, Sandboxing techniques, Malware analysis, KaliLinux tools using languages like C, C++, Python.
➢ Participated in research and technical documentation of End Point Protection domain, Security Information and Event Management (SIEM) solution and in Mobile Forensics domain.

Apr 2018 – Oct 2019

IT Application Consultant *(Full Time)*

Bayer Pakistan (Private) limited

➢ Part of Country Platform team of Information Technology which assist crop sciences and pharmaceuticals business domain.
➢ Worked in multiple languages and tools: ASP.Net, C#, JavaScript, HTML, SQL, SAP authorization.
➢ Provide assistance and support to users for SharePoint systems as per Bayer global guidelines. Also gained training in Business Intelligence software: Tableau.
➢ Accountable for IT related part of the Development, maintenance and

implementation of the applications.
➢ Provide authorization support to users for ERP systems as per Bayer global guidelines.

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.

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

TPS Pakistan Private Limited

➢A part of core development team in Service Delivery – Switching department.
➢Design and developed different projects for financial industry using technologies like C, C++, C#, MVC, MS-SQL, PL/SQL, Hardware Security Module (HSM) and SOAPUI.

Jan 2017 – Apr 2017	IT Executive *(Full Time)*

XDReader Private Limited

➢Manage different projects according to their Timelines.
➢Developed multiple projects using technologies like C#, C++, PHP, WordPress, Big data and Machine learning etc.

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 Advance Encryption Algorithm (AES) in parallel computing.
➢Enhance the processing power using GP-GPUs with OpenCL and CUDA programming frameworks.
➢Participate in research topic like Network Security Protocols (IPSEC, IKE, PPTP, SSTP), Cloud Computing framework and its Security.

Jun 2015 – Jul 2015	Internee *(Apprenticeship)*

Inseyab Consulting & Information Solutions LLC

➢ Provide support on the ongoing industry projects and learn business intelligence tool: MicroStrategy.
➢ Evaluate metrics, perform data analytics and also take part in front end development based on Java language.

Job Related Skills	**General Programming**

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

Web Development

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

Databases

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

Operating Systems

Windows Server, Linux Server (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, Packet tracer, Rational Rose, Wireshark.

EDUCATION

2020 – In Progress   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)

Final Year Project: **"Secured and Optimized Solution for Accessing Cloud"**
Research Based Project: Pakistan National Student Satellite Program (PNSSP), SUPARCO
Scholarship: Received a **"Merit Scholarship"** by Pakistan London Foundation (PLF)

ADDITIONAL INFORMATION

Languages
- English: IELTs C1 Level, Fluent English Speaker
- Urdu: Fluent, Mother Tongue

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
- Reading Books
- Cricket and football
- Table Tennis
- Music (Guitar)