MUHAMMAD SHAFIQ

Shafiqpesh123@gmail.com   +92 3159116035   Islamabad, Pakistan

Software Engineer | Scrum Master | QA & Test Engineer| Project Manager | Researcher

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EDUCATION

MS Computer Science

Software Testing & Dependability, Model Based Software Testing, Quality Assurance, Artificial Intelligence, Machine Learning, Semantic Computing

Capital University of Science and Technology(CUST) | Islamabad, Pakistan |CGPA: 3.07

Feb 2017 - Aug 2020

BS Computer Science

Data Structures, Algorithms, OOP, Networking, Software Engineering, Databases, Operating Systems, Image Processing, Web Technologies, Software Project Management, Wireless Communication

University of Peshawar (UOP)|Peshawar, Pakistan| CGPA: 3.10

Dec 2010 - Aug 2014

SKILLS

Development

Mobile Development, Web Development, Cloud Application Management and Deployment, Unit Testing, Integration & System Testing, Performance & Usability Testing, Smoke & Sanity Testing, Software Quality Assurance, Data analytics

Design

User Interface Design, Visual Design, Wire Frame, Mockups Human Computer Interaction(HCI)

Others

Agile Project Management, Scrum, Agile Development, Lean, Product Development, Requirements Analysis and Processing, Firebase, MySQL, MS SQL Server, Design Patterns

EXPERIENCE

QA & Testing| Scrum Master| Product Owner   Dec 2018 – Present
BX Technologies Pvt. Ltd | Islamabad, Pakistan

- Designing and developing advanced Android, IOS, Web and desktop applications
- Testing code for robustness, including edge cases, usability, performance, and general reliability
- Bug tracking, fixing and improving application performance
- Collaborate with cross-functional teams to define, design, and ship new features
- Other responsibilities include requirements analysis, software cost estimation, design reviews, code reviews, testing, sprint planning and sprint reviews
- Playing leading roles in different capacities, such as solution architect, product owner and scrum master and customer dealings
- Tracks the general progress of projects, typically against milestones to measure project activities.
- Conducting sprint reviews, sprint planning, retrospective meetings and standup meetings.
- Implementation and promotion of agile practices and mindset in the workplace

Software Developer   Oct 2014 - May 2017
FAMZ Solutions Pvt. Ltd | Peshawar, Pakistan

- Designing and developing desktop and web applications in different technologies such as .Net framework and C#
- Developing databases in Microsoft SQL server and MySQL
- Developing software design and architecture using Unified Modeling Language (UML), performing software testing using automated testing tools.
- Writing well designed testable, efficient code by using best software development practices
- Stay plugged into emerging technologies/industry trends and applies them into operations and activities
- Presentations and customer reviews on development progress of projects
- Requirements processing and user stories creation

Software Developer Internship   Apr 2014 - Sept 2014
KPK Information Technology Board(KPITB) | Peshawar, Pakistan

- Supported senior software developers and engineers with requirements analysis, user stories creation, database development
- Worked as a trainee software developer on various Software development projects and learned fundamentals of modern day software development processes

Research Assistant   Sept 2017 - Feb 2018
Department of CS, Capital University of Science and Technology | Islamabad, Pakistan

- Assisting senior researcher with documentations and reports generations
- Meetings regularly with supervisor to discuss research assignments.
- Writing implementation codes and Pre-processing of Datasets.
- Attending and arrangements of research workshops and seminars

PUBLICATIONS
Conference Proceedings paper

- Muhammad, Shafiq, Muhammad Salman, and Muhammad Aleem (2018). "Evaluating cloud Task Scheduling Algorithms using Three Synthetic Datasets". In: 3rd International Conference on Emerging Trends in Engineering, Management Sciences. (ICETEMS-2018) Peshawar, Pakistan, pp. 363–371.

RESEARCH PROJECTS

During my masters studies I got an opportunity to work on different research projects in the areas of information retrieval and machine learning, software testing and cloud computing.

Research Skills

Article writing, searching relevant articles on google scholar, IEEE explore, Gathering Information, Identifying Problem, Results plotting and result comparison and analysis

TOOLS

Android Studio, VScode, Visual Studio, Junit & Selenium, Pytest, Postman, Jira, Asana, Trello GitHub & Git Repositories, Unified Modelling Language (UML), MS windows, Linux, Office 365.

COURSES & CERTIFICATIONS

Agile with Atlassian Jira
Coursera | June 2021

Google Project Management Professional Certificate
Coursera | July 2023

Python Programmer
DataCamp | Dec 2021

LANGUAGES

English
Urdu
Pashto
Deutsch (Beginner)

- Comparison of Adjectives using SenticNet and SentiWordNet for Sentiment Analysis (Manuscript Submitted in International Journal)
- Literature Survey on Machine Learning Based Techniques for Software Bug Reports classification (In Progress)
- Identifying an Effective Set of Attributes for Machine Learning Based Software Bug Reports Classification (MS Thesis)

PROJECTS

BS Degree Final Year Project

Content management system for the examination department of the university of Peshawar.

- Application for the content management of different sections of the examination department
- Application provides complete solution related to all the information required by the staff at examination department

AWARDS

- Awarded with need based scholarship during my master's studies at Capital University of Science and Technology, Islamabad, Pakistan.
- Awarded with Laptop under the prime minister of Pakistan laptop scheme program for university students in 2014.

CONFERENCES AND SEMINARS

Participant

- International Conference on Emerging Trends in Engineering, Management Sciences (ICETEMS-2018) organized by City university of science and technology, Peshawar, Pakistan