Muhammad Rafay Ali Baig

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ABOUT ME

Dynamic Information Technology professional with a Bachelor's degree in IT and extensive experience in Fintech and IT support. Skilled in multiple programming languages, API development and other technologies, with a commitment to continuous learning and applying technology to solve real-world challenges. Strong team player with excellent communication and problem-solving abilities.

WORK EXPERIENCE

PS Consultant (Professional Services), TouchPoint (Pvt) Limited, Karachi, Pakistan
Software Engineer | April 2024 – Present

- Developed back-end web applications and software solutions using C# and Java.
- Enhanced database systems, including SQL and NoSQL technologies, for improved performance.
- Collaborate with cross-functional teams following Agile methodology to deliver high-quality software.

TECHNICAL SKILLS

- **Programming Languages:** C#, Java, Dart, Python, Node.js
- **Web Development:** HTML, CSS, Bootstrap, JavaScript, PHP
- **Database Management:** MySQL, Oracle, NoSQL (MongoDB)
- **Tools:** Android Studio, Visual Studio, Git, Oracle 12c
- **Others:** Agile Methodology, Security Protocols, RESTful APIs

EDUCATION

Bachelor of Science in Information Technology (BSIT),
Bahria University, Karachi, Pakistan
September 2019 – August 2023

- Graduated with a strong foundation in IT principles and practices.
- Completed coursework in software development, network management, and database systems.
- Participated in various projects and initiatives to develop practical skills in software development and network management.

CERTIFICATIONS

- **Back End Development and APIs**
  Certified in building backend systems and developing APIs for web applications.
- **Foundational C# with Microsoft**
  Certified in foundational C# programming and software development concepts.
- **Critical Infrastructure Protection** **(Exp. Date:** 6/25/2025**)**
  With the standards and requirements and is recognized as a graduate of CIP.
- **Python for Data Science, AI & Development**
  Demonstrated proficiency in Python, Pandas, Numpy, and Jupyter Notebooks.
- **Foundations of Cybersecurity**
  Gained core skills and knowledge to become a cybersecurity analyst.

PROGRAMS

Artificial Intelligence Program, Presidential Initiative for Artificial Intelligence & Computing (PIAIC)
May 2022 – May 2024
- Gained in-depth knowledge of AI principles, machine learning algorithms, and their applications.
- Worked on projects involving natural language processing and computer vision.

Internet of Things Program, Presidential Initiative for Artificial Intelligence & Computing (PIAIC)
May 2022 – June 2024
- Acquired skills in IoT system design, sensor integration, and data analytics.
- Developed projects focusing on smart devices and networked systems.

Ethical Hacking Program, NED University of Technology and Engineering (NEDUET)
July 2023 – Current
- Acquired knowledge in penetration testing, vulnerability assessment, and securing network infrastructures.
- Gained hands-on experience with ethical hacking tools and techniques to identify and mitigate security threats.

PROJECTS

Sports Hub: Mobile Application (June 2022 – June 2023)
- Developed a hybrid mobile application using Flutter, Android Studio, and Firebase to organize and manage sports events.
- Designed the application using Android Studio and XCode, ensuring compatibility with both Android and iOS platforms.
- Implemented push notifications to provide real-time updates to users, improving user engagement.

Car Rental System (September 2022 – January 2023)
- Developed a Java application for managing car rentals, including search, add, and delete functionalities.
- Utilized Oracle 12-C for database management and Java for the graphical user interface.

Wearify: Ecommerce Website (January 2022 – March 2022)
- Created a fully functioning online store using HTML, CSS, JavaScript, jQuery, and PHP.
- Integrated database support for managing product inventory and customer orders.

ADDITIONAL WORK EXPERIENCE

IT Support Engineer, Gerry's DNATA, Karachi, Pakistan
November 2023 – March 2024
- Provided technical support for software, hardware, and network issues, reducing downtime.
- Installed and maintained IT systems, ensuring smooth operations and improved efficiency.
- Collaborated on project implementations, contributing to a 10% increase in team productivity.

Desktop/Network Support Engineer, Vconn IT Infrastructure, Karachi, Pakistan
June 2022 – November 2022
- Designed and implemented network configurations, including routers, switches, DNS, and DHCP.
- Conducted software installations on desktops and laptops, enhancing system performance.
- Implemented security measures and protocols to safeguard network infrastructure.

REFERENCES

Dr. Humera Farooq, Senior Associate Professor, Bahria University Karachi Campus
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Mr. Abdul Wadood Iqbal, Plant Manager, PepsiCo Foods Canada
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