PERSONAL INFORMATION   Fahad Hassan

Software Engineer

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SUMMARY   To obtain a challenging position in a high-quality engineering environment where my resourceful experience and academic skills will add value to organizational operations. Solution-driven professional excelling in highly collaborative work environment, finding solutions to challenges and focused on customer satisfaction.

WORK EXPERIENCE

Nov '2020 - Present   Odoo Developer

Silverdale Tech USA (Silver Partner) - Pakistan Office Islamabad.

- Working on Odoo sh. Setup & Monitor Devop's Environment on Odoo sh. Integration with different cloud services (Ms Azure etc).
- Developed Modules for Data Migration with RDBMS (Mysql, MS SQL) & SFTP Server Data Transfer.
- Api Integrations. (Payment Acquirers).Developed a integration Module for Helcim US Payment Method.

Aug '19 – Nov'2020   Python Developer

Codistan I-9/2 Islamabad.

- **Odoo Full Stack Development**
  - Odoo ERP customization, Build Custom POS, Inventory, Sales and Purchase modules for smooth management of business for clients. used python for backend development, JavaScript and xml for frontend development of custom modules.
  - Done Restaurants Automation for Table based order management, Order automation with Restaurants kitchen using network printers (KOT). Integrated Weight Machine with point of Sale for Product Weight using Python Serial Module.
  - Worked on PostgreSQL (Relational) Database.
- **Deep Reinforcement Learning**
  - Customize TensorFlow autonomous music generation model for automatic Assets generation and management using python for server-side development of android Game. Assets are Rewards & Penalty.
  - Applied data analytics using Python (pandas, NumPy) on CSV files.
  - Worked on Firebase (NoSQL) Database.

April '19 - July '19   Software Programmer

AARSOL ERP Solutions Pvt Ltd E-11 Islamabad.

- Odoo ERP customization, Build custom modules for Campus Management system. Use Python for Backend and Xml for frontend for the software system development.
- Working on Odoo (Python Framework) Business Software for Enterprise Resource Planning (ERP) with all the ERP modules in odoo and Developed Systems. Use PostgreSQL Database.

Jul'17– Sep'18   Student

Bahria University, Islamabad

- Conceptualized and implemented the project Autonomous Indoor Service Robot Using Robot Operating System and Implemented Machine Learning technique of supervised (Parametric Modeling) For Robot Automation & Object Detection.
- Became the First Ever Team from South Asia to participate in **European Robotics league'18 and 17 competitions organized in Madrid, Spain and Lisbon, Portugal.**

EDUCATION AND TRAINING

Sep '18 – Jul '20	**Master Computer Engineering**	3.39 / 4.0
	Bahria University Islamabad,(Pakistan)	
Sep '14 – Jul '18	**Bachelor of Computer Engineering (Registered PEC Engineer)**	3.09 / 4.0
	Bahria University Islamabad,(Pakistan)	

PERSONAL SKILLS

Job-related skills
- C++, java, Python, Javascript, Verilog, Matlab, Xml, HTML, CSS.
- Docker ,Github, Gitlab,Robot Operating System (ROS), Linux (Ubuntu, Kali, Fedora), Android Studio. Visual Studio Code, NetBeans IDE, Eclipse.
- PostgreSQL's, Oracle, Firebase,
- Scikit-Learn, Keras,Tensorflow, MS Powerbi,Tableau.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Independent user	Independent user	Proficient user	Proficient user

ADDITIONAL INFORMATION

Certifications
- Participated in European Robotics League for Consumer Service Robots IROS 2018 in Madrid Spain.
- Participated in European Robotics league for Service Robots in Lisbon, Portugal 2017
- IEEE BUIC Summer Internship 2017.
- 1st prize in project Exhibition in COMBITS 2017 Held in Comsats Attock Campus.
- 1st prize in Project Exhibition in Nescon 2017 Held in Fast University Islamabad Campus.