



## HUSSAIN AHMAD

**Software Developer | Network Security Engineer | Database Administrator | IT Specialist**

### Personal Details:

**Profession:** Computer Systems Engineering | Reg. No: COMP/16041 | Cell: +923431936505 (Pakistan) |

**Mailto:** [13pwcse1080@uetpeshawar.edu.pk](mailto:13pwcse1080@uetpeshawar.edu.pk) | **Address:** Riyadh-KSA | Passport: MA1171552 |

**Visa Status:** Iqama Transferable | Nationality: Pakistani | Religion: Islam | Date of Birth: March 15, 1991

## SUMMARY

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I have more than 7 years of specialized experience in system administration and software development, which fulfills with the analysis responsibilities of a computer engineer. My competence with Microsoft Windows servers, network security, database administration, IT support, Software development and a key part of enhancing system efficiency and reliability that highlights my capacity to make a significant contribution to projects in organization.

## PROFESSIONAL EXPERIENCE

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01/2022 - 07/2025 **Software Developer at Asloob Bedaa Contracting Company Saudi Arabia (KSA)**

### Job Responsibilities:

- Modifying software to fix errors, adapt it to new hardware, improve its performance, or upgrade interfaces.
- Collaborate with clients, users, and team members to understand software needs and requirements.
- Develop software applications and systems, including front-end interfaces and back-end databases.
- Deploy software applications to various devices and systems.
- Working with customers or departments on technical issues including software system design and maintenance.
- Analyzing information to recommend and plan the installation of new systems or modifications of an existing system.
- Consulting with engineering staff to evaluate software hardware interfaces and develop specifications and performance requirements.
- Work with developers to design algorithms and flowcharts
- Produce clean, efficient code based on specifications
- Verify and deploy programs and systems
- Troubleshoot, debug and upgrade existing software
- Gather and evaluate user feedback
- Create technical documentation for reference and reporting.

02/2020 - 12/2021 **Odoo Software developer at Washa Al Wisam Company Saudi Arabia (KSA)**

### Job Responsibilities:

- Design, develop, and customize Odoo modules to meet specific business needs.
- Provide ongoing support, perform debugging, and troubleshoot issues within the Odoo ERP system.
- Create and maintain technical documentation, code documentation, and user guides.
- Conduct unit testing, perform debugging, and ensure the reliability and performance of Odoo applications.

- Module development, system integration, technical support, bug fixing, and documentation.
- Customize, develop, and maintain Odoo ERP modules and applications, translating business requirements into technical solutions.

03/2019 - 01/2020 **IT Specialist at Inspectorate of Mines Khyber Pakhtunkhwa, Peshawar**

Job Responsibilities:

- Install, configure, and maintain Syrve POS systems, including terminals, tablets, kitchen printers, and kitchen display systems (KDS).
- Troubleshoot and resolve Syrve-related issues (hardware/software/networking) in a timely manner.
- Train staff on the effective use of Syrve features, including order taking, payments, menu updates, and reporting tools.
- Maintain and monitor the restaurant's IT infrastructure, including routers, switches, modems, and secure Wi-Fi networks.
- Ensure backup and security of transactional and operational data via Syrve cloud tools.
- Monitor and maintain CCTV systems, digital menus, and customer-facing screens.
- Provide first-level support for IT-related issues during operating hours, escalating to vendors when needed.
- Manage integration of Syrve with other platforms (e.g., delivery aggregators, accounting software, and inventory systems).
- Perform regular updates and health checks of Syrve and other IT systems.
- Support back-office systems including email, staff scheduling tools, printers, and office software.
- Keep detailed documentation of all IT assets, configurations, and troubleshooting steps.

08/2018 - 02/2019 **Network Security Engineer at Khyber Pakhtunkhwa Information Technology Board Peshawar, Pakistan**

Job Responsibilities:

- Responsible for designing computer systems, software, and hardware applications.
- Designs, implements, and maintains an organization's network security infrastructure to protect against cyber-attacks and data breaches
- Perform tasks of troubleshooting reported installation issues
- Ensure the proper maintenance and timely updates of network hardware, software, and security protocols
- Conduct regular security assessments, vulnerability scans, and penetration tests to identify and address weaknesses in the network
- Enhanced network security by implementing advanced firewall configurations.

01/2018----07/2018 **Database Administrator at Khyber Pakhtunkhwa Information Technology Board Peshawar, Pakistan**

Job Responsibilities:

- Managing and maintaining databases to ensure data security and availability
- Installed software system updates, processed backup upgrades, and created instructional materials for users to boost efficiency
- Implementing backups and recovery plans, troubleshooting issues, and providing secure access for users
- Optimized SQL queries for improved response time

- Ensured database integrity by enforcing data standards and guidelines
- Implemented disaster recovery plans to ensure business continuity during unforeseen events
- Collected and analyzed data, providing recommendations to help improve database performance

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## EDUCATION

### 2018 – 2020 **Master of Computer Systems Engineering**

University of Engineering and Technology Peshawar, Pakistan

Thesis title: Analysis of Orthotic Sensing and Stimulation System for upper limb of paraplegic

### 2013 – 2017 **Bachelor of Computer Systems Engineering,**

University of Engineering and Technology Peshawar, Pakistan

Thesis title: Brain Tumor Segmentation Using Machine Learning Technique

### 2009 – 2011 **HSSC. (Pre-Engineering),** Department of Science,

Govt. Degree College Kabal Swat, Pakistan

### 2007- 2008 **SSC. (Pre-Medical),** Department of Science,

Govt. Higher Secondary School Kabal Swat, Pakistan

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## CORE SKILLS

System Administration | Microsoft Windows Servers | Computer Security | Software Configuration | Oracle Database| Data Mining | | Python | C++ | AWS | Cyber Security | Technical Documentation | Java | Database Management | Database troubleshooting | Cloud Computing | Computer Networking | Microsoft Azure | Project Management | Critical Thinking |Team collaboration | Decision-Making | Active learning | Technical Problem Solving| Organizational |Management| Communication | Risk assessment understanding | Network troubleshooting | Reporting and documentation| Object Oriented Programming | Django | Node.js | Web Services | Inventory Management | Bootstrapping | Microsoft Access | JavaScript | PHP Laravel | Web Developer | Java Script Developer | PhpMyAdmin| AWS Cloud | Full Stack Web Developer | Business Development | .NET Framework | Amazon Web Services (AWS)| Laravel | PostgreSQL| Odoo ERP |CRM software

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## Projects

- Odoo ERP Projects
- Microcontroller programming in various projects
- Web designing and Web application
- Image processing projects
- Machine learning projects
- Image processing using Open CV
- Implementing Project on Raspberry Pi programming in the “ITS” project
- Implementing Project for Patient Healthcare project
- Freelancing and Digital Marketing

## LANGUAGES PROFICEINCY

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English: Fluent  
Arabic: Advanced  
Urdu: Native

## PUBLICATIONS

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Traffic flow monitoring for heterogeneous traffic

Shehzad Ayaz\*1, Hussain Ahmad\*2, Hamza Khan\*3, Yasir Mehmood\*4

08/2021 [https://www.researchgate.net/publication/354545160\\_TRAFFIC\\_FLOW\\_MONITORING\\_FOR\\_HETEROGENEOUS\\_TRAFFIC](https://www.researchgate.net/publication/354545160_TRAFFIC_FLOW_MONITORING_FOR_HETEROGENEOUS_TRAFFIC)

**Published Paper link:**

[https://www.researchgate.net/publication/354545160\\_TRAFFIC\\_FLOW\\_MONITORING\\_FOR\\_HETEROGENEOUS\\_TRAFFIC](https://www.researchgate.net/publication/354545160_TRAFFIC_FLOW_MONITORING_FOR_HETEROGENEOUS_TRAFFIC)

## Certifications

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- English B2 (score 6/9), IELTS, 2023
- Cloud Computing and Networking, 2021, awarded by National Vocational and Technical Training Commission (NAVTTTC) Peshawar, Pakistan
- Active Citizenship, 2016 awarded by British Council Peshawar, Pakistan