# Hawar Qahar Qader

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23 years young, a dedicated, simple and highly motivated Software Engineer and Penetration Tester which dabbles in every thing he finds with plus 9 years of experience with IT Jobs Such as (Bot Development – Penetration Testing – Web Development – etc…) fixed on helping companies grow there services and customer base by developing and making tools, websites, bots, etc and preventing failures by finding vulnerabilities and patching them. Currently growing my skills with Rust.

## EMPLOYMENT HISTORY

**KttPost | Erbil, Iraq → IT Support**                                            **2019/01/01 → 2020/03/01**

- Troubleshooting computer systems, software, and network issues.
- Provided technical support to users via phone, email, and in-person interactions.
- Resolved hardware and software issues in a timely and efficient manner.
- Assisted with the installation, configuration, and maintenance of hardware and software systems.
- Documented technical support issues and resolutions.
- Demonstrated excellent customer service and communication abilities.

**HealthTimeLTD | Erbil' Iraq → IT Manager / Developer**                **2020/04/01 → 2021/12/15**

- Oversaw and managed IT operations for the organization, including network administration, server management, and cybersecurity.
- Developed and implemented strategic plans for IT operations in alignment with business goals.
- Managed IT budgets and resources effectively to ensure cost-efficient operations.
- Supervised and mentored IT staff to achieve departmental objectives.
- Developed software solutions using PHP and Python programming languages.
- Implemented front-end design using HTML, CSS, and JavaScript.
- Utilized MySQL and PostgreSQL to manage databases and ensure smooth software functionality.
- Collaborated with team members to deliver high-quality projects.
- Demonstrated excellent problem-solving and collaboration abilities.

**MoonLine Travel | Erbil' Iraq → CyberSecurity Manager / Web Developer**       **2022/01/10 → 2022/05/10**

- Conducted vulnerability assessments and penetration testing of internal systems.
- Developed and implementation of penetration testing strategies.
- Aided in installation, configuration, and maintenance of firewall devices, access points and security cameras.
- Helped the company save thousands by preventing a data breach.
- Aided in the management of security technologies.
- Customized and developed Odoo modules using Python programming language and Odoo framework.
- Utilized front-end technologies such as HTML, CSS, JavaScript, and jQuery to develop user interfaces for Odoo modules.
- Utilized PostgreSQL to manage databases and ensure smooth software functionality.
- Collaborated with team members to deliver high-quality Odoo projects.

**Minas Company | Erbil' Iraq → IT Manager / Full Stack Web Developer**        **2022/08/01 → Present**

- Overseeing and managing IT operations for the organization, including network administration, server management, cabling, and cybersecurity.
- Developed and implemented strategic plans for IT operations in alignment with business goals.
- Managed IT budgets and resources effectively to ensure cost-efficient operations.
- Developing efficient and high-quality web applications using front-end and back-end technologies.
- Utilizing back-end languages such as Python, JavaScript and PHP to develop back-end functionality
- Utilizing database management systems such as MySQL and PostgreSQL to manage databases and ensure smooth software functionality.
- Utilizing Skills to maintain and develop (12+) web applications and systems.

## Freelance And Volunteer Work

**Lava Clinic | Erbil' Iraq → IT Manager / Full Stack Web Developer**        **Freelance**

- Overseeing and managing IT operations for the organization, including network administration, server management and cabling.
- Developing and maintaining internal systems.
- Developing and maintaining of clinic website and blog.
- Server installation and maintenance.
- VoIP installation and maintenance.

**Scorpion Shield | Sulaymaniyah' Iraq → Security Researcher**        **Freelance**

- Overseeing and managing Bug hunting operations for the organization.
- Developing and implementing strategic plans for Bug hunting operations in aligned with business goals.
- Developing high-quality vulnerability prevention strategies.
- Utilizing standard methods and tools such as owasp, nmap, burp, openvas and metasploit.
- Developing penetration tools and exploits using python, ruby, perl and bash.
- Utilizing Skills to find (50+) critical security flaws.

**Korek Telecom | Pirmam' Erbil' Iraq → Penetration Tester**        **Freelance**

- Preformed standard Web application and Mobile application testing for the organization.
- Developed and implemented strategic plans for vulnerability prevention.
- Helped the company save millions by finding critical vulnerabilities.
- Utilizing Skills to find (3+) critical security flaws.

**Lezoo | Erbil' Iraq → Penetration Tester**        **Freelance**

- Oversaw and managed Penetration testing operations for the organization, including network penetration, web application penetration and mobile application penetration.
- Developed and implemented strategic plans for vulnerability prevention.
- Helped the company by finding critical vulnerabilities.
- Utilizing Skills to maintain and develop (12+) web applications and systems.

**Ddibox | Soran' Erbil' Iraq → Bot Developer**                            **Freelance**

- Developed and implemented telegram bots using the python programming language.
- Provided high-quality documentation for the bots.

**Kyoto Foundation | Blockchain → Bot Developer**                     **Freelance**

- Developed and implemented telegram bots using the python programming language.
- Developed and implemented discord bots using the rust programming language.
- Provided high-quality documentation for the bots.

**Kamiar Private School  | Pirmam' Erbil' Iraq →** IT **Technician**            **Freelance**

- Troubleshooting computer systems, software, and network issues.
- Provided technical support to users via in-person interactions.
- Resolved hardware and software issues in a timely and efficient manner.
- Installation, configuration, and maintenance of hardware and software systems.

**Rwanga Foundation | Erbil' Iraq → Penetration Tester**               **Volunteer**

- Overseeing and managing Cybersecurity operations for the organization, including network security, server security, and web application security.
- Developed and implemented strategic plans for Security operations in alignment with organization goals.
- Developed efficient and high-quality Backups plans.
- Utilizing Skills to found and patched (5+) security bugs.

**Erbil Technical Medical institute | Erbil' Iraq → Penetration Tester**      **Volunteer**

- Overseeing and managing Cybersecurity operations for the university, including server security, and web application security.
- Helped in development of Bologna System for the university.
- Helped in finding and patching critical vulnerabilities such as admin login bypass, SQL injection and much more.
- Developed efficient and high-quality vulnerability prevention plans.
- Utilizing Skills to found and patched (7+) security bugs.

## Security Findings

* Redacted is a name I use because of the companies request.

### Epu System

Authentication bypass is a major vulnerability that I found in Erbil Technical Medical institute which could let any user create an administration account for the system and have full control over teachers, and student data such as adding new students, editing grades and attendance.

### Rwanga foundation

A few years ago I found this critical vulnerabilities such as improper setup and configuration leak which could lead to full system take over, including but not limited to administration account and source code leak.

**Lezzo**

During my penetration period with lezzo group I was able to find many vulnerabilities such as improper version control which lead to source code leak, improper authentication which attackers could use to get free money by exploiting the reward system and much more.

**Redacted**

Upload form bypass, I was able to find this vulnerability in a real estate, which could be used to achieve remote code execution and further be used get root access to the system.

**Redacted**

During my penetration period with this telecommunication company I was able to find a few critical vulnerabilities such as account take over with the use of verification bypass which could be used to get information of any users of the company and take edit them and much more, improper validation of authentication header with could be used to send balance from any user of the company to other users and a few major and minor configuration bugs.

**Redacted**

Remote code execution, which is a major vulnerability that I found in a quality control company's system that can be used to gain access to the system just like if you where a system administrator.

**Redacted**

During my penetration for this Medicine Company I was able to find a few vulnerabilities including but not limited to SQL-injection which could lead to data breaches and administration account take over and Remote code execution by exploiting a Local file inclusion to gain access to a bash shell and get root access to there system.

**Redacted**

Remote Denial of service, threw a SQL-injection vulnerability which can be exploited to take down the system and prevent the administrators and clients from using there systems.

## SKILLS & EXPERIENCE

- Excellent knowledge with popular OS (Operating Systems), such as Windows, Linux, Android, iOS, MacOS.
- Extensive knowledge in Designing and Developing of Bots, Scrapper and Automation scripts.
- Tremendous knowledge with Software and Hardware troubleshooting.
- Tremendous knowledge with Penetration Testing.
- Excellent knowledge with Back-End Web development.
- Prevalent knowledge with Front-End.
- Extensive knowledge of MS Office.
- Comfortable with Adobe Products such as PhotoShop.
- Excellent knowledge of (Python & PHP & JavaScript & Bash & C & Rust) programming languages.

## ADVANCED SKILLS SPECIFICATIONS

**Web Development:**

➔ **Front-End:**
- HTML
- CSS + (Bootstrap & Tailwind CSS & MDB & Sass)
- JavaScript + ( jQuery & Ajax | Alpine.JS |…etc)

➔ **Back-End:**
- Python + {Django & Flask & FastApi}
- FastApi {SQLModel}
- JavaScript + {Node.JS & Express.JS & JSON & NPM}
- SQL+ {MySQL & PostgreSQL  & SQLModel}
- Python & Bash Scripting + {Server-side scripting & Penetration testing}
- [Code & Logic] design patterns

➔ **Scripts:**
- Odoo
- Dolibarr
- WordPress
- Joomla
- Blogger

➔ RESTful APIs & Git Version Controller {github, gitlab, git, github workflow}

**Bot & Scrapper Development:**

➔ **Bot:**
- python-telegram-bot
- discord.py
- serenity

➔ **Automation:**
- pyautogui
- pynput
- pywinauto

➔ **Scrapper:**
- Python[async] + Bash (gnu coreutils)
- requests + httpx + aiohttps
- beautifulsoup {html + xml}
- selenium

**Penetration Testing:**

- ➔ Red & Blue Team
- ➔ OS {Kali Linux, Parrot Os, BackBox, etc}
- ➔ Vulnerability assessment
- ➔ Reporting
- ➔ Documenting
- ➔ Tools {Nmap, Burp, WireShark, BetterCap2, etc}
- ➔ Network Packet Analysis
- ➔ Web Application Security
- ➔ Exploitation
- ➔ Exploit Development
- ➔ Tool Development

**Operating System (OS)s:**

- ➔ Windows
- ➔ Linux {Kali – Debian – Ubuntu – Parrot Os – Fedora – Mint – Arch …etc}
- ➔ MacOS & iOS
- ➔ Android

**General skills:**
- ➔ **Accounting & Documentation:** MS Office (Word & Excel & PowerPoint)

# PROJECTS

Over the years, I have accumulated many projects in addition to my job history, which I will briefly describe below.

## Web Development:

### E-Commerce ➔ WordPress

By utilizing the power of WordPress with plugins such as WooCommerce and other relevant plugins, as well as custom theme designs, I was able to build the websites listed below.

- [prettyprofessional.co.uk](prettyprofessional.co.uk)

- [herbapharmedica.co.uk](herbapharmedica.co.uk)

- [minascosmetic.com](minascosmetic.com)

- [healthtimeltd.com](healthtimeltd.com)

### Hospital Management System ➔ PHP

By utilizing the power of CodeIgniter as the framework for the back-end and HTML, CSS, and JS (JQuery) for the front-end, I was able to complete this system with ease and add many functionalities, such as a patient database with case management, finances, appointments, prescriptions and much more.

### Attendance Calendar ➔ Python

By utilizing the power of Odoo as the framework for the back-end and HTML, CSS, and JS (Jquery and fullcalendar) for the front-end, Out Team was able to create a odoo app, with functionalities such as attendance recording, breaks, events, leaves, holidays, biometric recognition and much more.

### Currency Exchange Management System ➔ Python

By utilizing the power of Flask as the framework for the back-end and HTML, CSS, and JS (Jquery and Chart.js) for the front-end, I was able to complete this system with ease and add many functionalities, such as an admin dashboard, multiple currency support, exchange rate, exchange calculator, widgets and much more.

### Invoice Management System ➔ Python

By utilizing the power of Django as the framework for the back-end and HTML, CSS, and JS (Jquery) for the front-end, I was able to complete this system with many functionalities, such as an admin dashboard, responsive invoice, discount and bulk order, multiple currency support, exchange rate and much more.

## Programming:

### Q/A Bot ➔ Rust

By utilizing the power of Serenity as a framework, I developed this bot to help aid discord mods in finding, answering and correcting questions in there community.

### Seller Bot ➔ Python

By utilizing the power of python-telegram-bot as a framework, I developed this bot to help aid resellers in finding clients and sell theme domains and hosts.

### Image Merger ➔ Python

By utilizing the power of python as a programming language and pillow as the library, I developed this bot to help ease the work of graphic designers and social media managers with bulk resizing and merging for foreground and background images.

### Find Me A Car ➔ Python

Is a simple program to help people find second hand cars by scrapping and finding cars in popular websites, developed with the power of requests and beautifulsoup as libraries and python as the main programming language.

## CERTIFICATES

✓ **Appreciation for Penetration testing [Rwanga Foundation].**                **2022**

✓ **Certificate of appreciation for Penetration and Development [Erbil Medical institute].**    **2021**

✓ **Certificate of appreciation for Penetration testing [Erbil Technical Medical institute].**    **2019**

## LANGUAGES

- **Native Language:** Kurdish [Mother tongue].
- **English Language:** British & American Accent. [Advanced Speaking, Intermediate Writing].
- **Arabic:** Modern Standard Arabic (MSA) & Gulf Arabic. [Understanding].

## EDUCATION

✓ **Diploma in Pharmacy at [Erbil Technical Medical institute].**                **2019-2022**

✓ **graduated from 12th grade at [Shaqlawa Educational Compound].**        **2018-2019**

## REFERENCES

Available upon request.