Faris Yousef Alrusaini
Full Stack Web Developer

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Summary

Full Stack Developer & IoT Specialist with expertise in C++, Python, and Cloud Automation. Skilled in building educational platforms and hardware-software integrations with a focus on UI/UX design. A results-driven professional dedicated to solving complex engineering challenges through technical precision and high performance under pressure.

Education

Diploma in Programming and Development ↗, *Technical College of Qassim*   2025
GPA:3.98   Qassim, Saudi Arabia

Professional Experience

Technical support at ↗, *Qassim Maternity And Children's Hospital*
- **OS & Software:** Handled system deployments, formatting, and software configurations.
- **Networking:** Resolved connectivity issues and managed IP configurations.
- **Hardware:** Installed and maintained network printers and essential peripherals.
- **Data Safety:** Performed regular data backups and ensured system security.

Projects

Graduation project ↗, *Technology Guide*
Developed an educational web platform for Technical College curricula as a graduation project, featuring an administrative system that allows supervisors to manage and publish instructional lessons delivered through embedded videos and downloadable PDF materials.

RoboRumble Hackathon ↗, *Robot Programmer*
- **Robot Dev:** Programmed a combat robot using **C++** and **ESP-32**.
- **Connectivity:** Integrated **Bluepad32** for wireless controller pairing.
- **Collaboration:** Optimized robot logic in a 3-day intensive competition.

Certificates

Data Entry and Word Processing, Microsoft office programs professional certificate in Data entry and word processing From the Gulf Institute for Training and Education For six months with a very good rating and a total 240 of training hours ↗

Skills Software

Front-End Development
HTML, CSS, JavaScript

Back-End Development
PHP, Rust,C++, Python, Java, Kotlin, Lua

Databases
PostgreSQL,SQLite3

APIs & Automation
REST APIs, Automation, n8n (Workflow Automation)

Linux & Containerization
Linux Systems, Docker, CLI, Environment Configuration

Data Serialization
JSON, yml

UI/UX Design
Wireframing, Mockups, Prototyping, UI/UX

Development Tools & Engines
GitHub, VS Code, Arduino IDE, Figma, Android Studio, Gemini Ai, n8n, AI Agent

Skills Hardware

Embedded Systems
C++, ESP-32, Microcontrollers

IoT & Connectivity
Bluetooth Low Energy (BLE), Wireless Protocols, Hardware Integration

Languages

- Arabic

- English