

Fabricio Meneses Avila

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Profile

Software Engineering graduate with a robust technical profile, built through both academic training and hands-on experience in real-world projects. Throughout my education, I developed a natural proficiency with technology across multiple dimensions: operating systems administration, hardware assembly and maintenance, equipment troubleshooting, cloud service deployment, productivity and collaboration tools, basic security, and development environments. While software development is my core technical foundation and allows me to understand systems from the inside out, my interests and capabilities go beyond code — I am comfortable in any technological environment, quick to learn new tools, and enjoy solving problems from a comprehensive perspective.

Education

B.S. Universidad Politécnica de Pachuca, Software Engineering – Pachuca, Hgo., Mexico Sep 2022 – Jun 2025

Certifications

EF SET English Certificate – Online

Apr 2025

B2 Upper Intermediate — Score 58/100

• [View certificate](#)

Experience

Full Stack Developer, Fundación AXiO – Pachuca, Hgo., Mexico

Jan 2024 – present

Development and maintenance of an administrative management platform with an integrated app for courses and learning.

- Developed a news panel, corporate blog, and interconnected notification system
- Integrated and supported multiplatform applications (web and mobile)
- Developed REST APIs and managed SQL Server databases
- Administered and maintained the web server (IIS) and production environment
- Diagnosed and resolved technical hardware and software issues
- Created technical documentation for processes, configurations, and system workflows
- Executed a general redesign and migration to a multiplatform website

Co-Founder, Lead Developer & Lead Designer, FALCodeX – Zempoala, Hgo., Mexico

Jan 2024 – present

Software development startup specialized in full-stack web/mobile solutions, SaaS platforms, and UI/UX design.

- Co-founder and technical/design lead of the startup
- Designed and built [EveryMed](#) — a complete medical management platform developed from scratch
- Managed deployment environments on MYASP.NET (backend) and Vercel (frontend), including domain configuration, DNS, and SSL certificates
- Managed repositories and version control with Git in team environments
- Evaluated and integrated technological tools for the team
- Provided internal technical support and led decisions regarding infrastructure and tech stack

It Knowledge

Operating Systems: Windows (Advanced use, administration), Linux — Ubuntu/Manjaro (Basic use: terminal, file navigation, and permissions), macOS (Intermediate use), WSL2, VirtualBox, Hyper-V

Cloud & Deployment: MYASP.NET (Backend hosting), Vercel (Frontend), Microsoft Azure (Knowledge in service deployment and administration)

Hardware: PC assembly and maintenance, troubleshooting, components (CPU, RAM, GPU, storage), peripherals, basic electronics, Arduino

Software & Productivity: Microsoft Office (Word, Excel, PowerPoint), Google Workspace, Notion, Postman, Insomnia, Figma, VS Code, GitHub Copilot, ChatGPT, Claude

Security & Access: Role and permission management, JWT authentication, secure connections, VPNs, SSL/TLS certificates

Software Development: Angular, TypeScript, HTML/CSS, .NET, SQL Server, REST API, Git — knowledge acquired through training and personal projects

Languages: Spanish (Native), English B2 Upper Intermediate — fluent technical reading, written and oral communication (EF SET 58/100)

Technical Projects

EveryMed Infrastructure

Jan 2024 – present

Administration and deployment of the full infrastructure for a production-ready SaaS medical platform.

- Deployed and maintained REST API on MYASP.NET
- Administered SQL Server database on shared hosting
- Configured domains, DNS, and SSL certificates
- Monitored availability and managed environments (development, staging, production)

Fundación AXiO Platform

Jan 2024 – present

Technical administration of an organizational platform with multiple modules and active users.

- Managed IIS web server and SQL Server database
- Provided user support and resolved technical incidents
- Performed continuous maintenance and updates for the system in production

Additional Activities

- Hardware and Technology: Desktop equipment assembly and maintenance, hardware/software troubleshooting and repair
- Electronics and Automation: Projects with Arduino microcontrollers, audio signal chains, and interfaces
- Music Production (Hobby): Experience with DAWs, audio interfaces, and VST plugins — familiarity with professional audio equipment