

Angel Manzano

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Experience

Senior Test Technician

Guadalajara, Jalisco, Mexico

Foxconn

Nov 2025 – present

- Designed and implemented a Manufacturing Test Reporter system using Python, Flask, and Bash integrations, with a CLI-driven core and web interface for reporting.
- Enhanced a critical testing system by designing and implementing new testing modules and features, leveraging Python and Bash integrations to improve test efficiency and coverage.
- Leading the migration of legacy Bash software to a microservices architecture, ensuring scalability and maintainability.
- Providing support and monitoring for AI server testing environments.

Full-Stack Developer (Mandatory Social Service)

Guadalajara, Jalisco, Mexico

Universidad de Guadalajara, CUCEI

Mar 2025 – July 2025

- Designed and implemented RESTful APIs and API Gateway using C#/.NET 14, Express.js, and Java/Spring Boot. within a microservices architecture secured by JWT authentication.
- Developed front-end interfaces using Next.js and MUI, ensuring responsive design and consistent components.
- Applied Domain-Driven Design (DDD) and layered architecture principles to improve maintainability and scalability.
- Integrated Docker for containerization, streamlining deployments and maintaining consistent environments.
- Automated testing and validation using Jest and Insomnia to ensure system reliability and API integrity.

Internship Trainee

Guadalajara, Jalisco, Mexico

IBM

Jan 2025 – Feb 2025

- Actively participated in the design and development of a Linux distribution tailored for practitioners at IBM Consulting.
- Conducted pentesting and network audits, strengthening cybersecurity knowledge through vulnerability analysis and critical infrastructure assessments.
- Participated in picoCTF, solving challenges in cryptography and web exploitation.

Internship Trainee

Guadalajara, Jalisco, Mexico

IBM

Mar 2025 – Apr 2025

- Developed user interfaces with React.js and CSS3, ensuring seamless user experiences.
- Collaborated closely with backend developers in designing and developing the system's API using Node.js and Express.js.
- Participated in problem-solving, requirements gathering, definition, and design of new application features.
- Cultivated an inclusive environment aimed at fostering skill development and ensuring project success.
- Partnered with QA and project leads to identify usability and technology issues, actively contributing to their resolution.

Education

UNIVERSITY CENTER OF EXACT SCIENCES AND
ENGINEERING - CUCEI UdeG

Guadalajara, Jalisco, Mexico

BA in Computer Science

Aug 2025 – present

**UNIVERSITY CENTER OF EXACT SCIENCES AND
ENGINEERING - CUCEI UdeG**

AAS in Information Systems

Guadalajara, Jalisco, Mexico

Aug 2024 – June 2025

ESCUELA POLITÉCNICA DE GUADALAJARA - UdeG

Professional Technologist in Information Systems

Guadalajara, Jalisco, Mexico

Aug 2020 – June 2024

Skills

Programming: Python, MATLAB, JavaScript, SQL, Shell, and Git; good understanding of Web, app development, and DevOps

Non-technical: Adaptability, Communication, Problem solving, Pragmatism

Extracurricular Activities

- [IBM Data Engineering Professional Certificate \(V3\), Coursera](#) | Sept 2025
- [IBM DevOps and Software Engineering Professional Certificate, Coursera](#) | July 2025
- [Professional Soft Skills Learning Pathway, LinkedIn](#) | Dec 2024
- [Google Project Management: Professional Certificate, Coursera](#) | Sept 2024
- [Google UX Design Professional Certificate, Coursera](#) | July 2024
- [The Complete Agile Scrum Fundamentals Course + Certification, Udemy](#) | April 2024
- [Entrenamiento para ISTQB® Foundation Level CTFL 3.1, Udemy](#) | March 2024