

JORGE ARTURO MENDOZA VALDEZ

Full Stack Python Developer | Django - FastAPI - JavaScript - SQL

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PROFESSIONAL SUMMARY

Full Stack Developer focused on Python web development with experience building and maintaining web applications using Django, FastAPI, JavaScript, HTML, CSS and SQL. Skilled in designing data models, backend workflows, business logic, dynamic forms, user management features, API integrations and database query optimization. Experienced working with both new and legacy systems, delivering practical solutions for internal platforms, operational workflows and client-facing applications.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, SQL, PHP, Java, Kotlin, C#

Backend Frameworks: Django, FastAPI, Laravel

Frontend: HTML, CSS, JavaScript, React.js, Next.js, responsive web development

Databases: SQL, NoSQL

Tools & Platforms: Git, Linux, Docker, remote server workflows, Unity

Web Development: REST APIs, dynamic forms, authentication workflows, data validation, Excel/PDF exports

PROFESSIONAL EXPERIENCE

Full Stack Developer

Oct 2022 - Jul 2026

MEDIAEREA / Drone Solutions & Monitoring Technologies

- Developed and maintained full stack web applications using Python, Django, FastAPI, JavaScript, HTML, CSS and SQL.
- Designed and implemented database models, backend workflows and business logic for operational platforms.
- Built dynamic web forms with client-side and server-side validations to ensure data integrity and secure processing.
- Created scripts and backend processes to manage users, process data and support server-side operations.
- Integrated third-party APIs and improved application functionality across new and legacy systems.
- Optimized database queries and implemented reporting workflows, including Excel/PDF exports for business processes.
- Collaborated on AI-based features to enhance automation, performance and application capabilities.

Frontend / Web Developer

2022 (6 months)

Reserva Guru - Sahuarolabs LLC

- Developed responsive web pages and reusable components using Next.js, React.js, JavaScript, HTML and CSS.
- Built UI components for desktop and mobile, including a scheduling calendar, animated progress bar and navigation tabs.
- Created authentication and registration pages while collaborating with the development team using Git.
- Tested components and improved user interface behavior across different screen sizes.

SELECTED PROJECTS

Drone Infrastructure Inspection Platform

Django - FastAPI - JavaScript - SQL | Professional project at Mediaerea

- Contributed to a platform that analyzes drone-captured images of wind turbines and electrical infrastructure and supports maintenance reporting.

Mexican Government Customs Process Platform

Django - JavaScript - SQL | Confidential professional project at Mediaerea

- Worked on a large centralized platform supporting operational workflows related to Mexican government customs processes.

Appointment Scheduling SaaS

Next.js - React.js - JavaScript | Professional project at Sahuarolabs

- Developed responsive interface components for a SaaS platform that manages appointments between businesses and customers.

EDUCATION

Software Engineering

2018 - 2022

Instituto Tecnológico de Sonora

LANGUAGES

Spanish: Native

English: Conversational