Adalberto Romero Romero
Full-Stack Developer / Software Engineer

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Education ---

University Instituto Tecnológico de Puebla University
Courses: Software Engineering, Web programming, Database Programming

Professional Experience --

Full-Stack Developer | AI Engineer | *Outlier AI* | 2024 September - Present
- Developed prompts and response algorithms using Python, optimizing AI outputs for complex math-related queries as well as ensuring human-like conversational tone for simpler queries.
- Enhanced the LLM through human interaction training and integrated image learning to improve AI comprehension and contextual understanding.
- Collaborated on refining AI capabilities to deliver more natural and user-friendly interactions.

Software Engineer | FullStack Engineer | *Vega Financial* | Engineer III   2020 Jan - Present
- **Advanced from intern to senior software engineer** over 5+ years, leading full-stack and DevOps initiatives.
- **Rebuilt backend workflows in Python**, replacing legacy Java code and reducing invoice processing time by 40%.
- **Set up Dockerized infrastructure with AWS**, improving deployment speed and internal system performance.
- **Built a modern client-facing landing page** using React and TailwindCSS to enhance user experience.
- **Automated data validation processes**, cutting manual errors by 60% and boosting operational efficiency.
- **Mentored junior developers** and aligned technical efforts with business goals.

Software Engineer | *JL Financial* | 2021 May - Sep 2024
- **Developed and deployed a Python-based Smart Inventory Management System (SIMS) using Docker**, enabling scalable and efficient inventory operations.
- **Automated data categorization and validation processes**, reducing manual effort and minimizing errors in inventory records.
- **Streamlined backend workflows and containerized the application for consistent deployment across environments**, accelerating development and maintenance cycles

Full-stack engineer | *Status Pro. Inc* | Team Leader   2023 July - May 2024
- Streamlined website performance by implementing data-cleaning programs to eliminate bugs.

- Contributed to developing a program integrating ChatGPT-4, enhancing client interactions for 200+ users on future websites.

Projects --

Web Development | *RomeroLandScapeLLC*   Dec 2023 - April 2024

Content Management

- Created and published engaging web content tailored for the landscaping industry.
- Ensured website readability and SEO optimization**.**
- Designed and built a responsive webpage using modern web technologies.
- Familiar with HTML, CSS, and basic JavaScript for front-end development.

Technical Skills ---

Languages: Java, JavaScript, CSS, PHP, Python, C#, C++, HTML, JSON, Nodejs, GIT, ASP.NET, VB.NET, AWS-services

Database: MYSQL, SQL, MongoDB, PHP

Certificates: HTML, CSS, and Javascript for Web Developers Johns Hopkins University,

IBM Introduction to Software Engineering,

Specialization: DevOps on AWS Specialization from Amazon Web Services

Spoken Languages: English (Native), Spanish (Fluent)

Skills:

- Strong problem-solving skills and attention to detail,
- Excellent communication and collaboration abilities
- Ability to work independently and as part of a team
- Experience in B2B customer service
- Technical proficiency
- Project management skills
- Agile. Scrum master / Sprints