José Mateo Auz Mayorga

Software Engineering | Web & Full-Stack Developer | Ambato, Tungurahua, Ecuador

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Education

UNIVERSIDAD TÉCNICA DE AMBATO | ECUADOR (2023 – PRESENT)
· B.Sc. Software Engineering (In Progress)

Academic Projects

STUDENT MANAGEMENT PLATFORM — PHP, MYSQL, HTML, JAVASCRIPT
· Collaborated in a team to build a web platform for managing student academic data. I designed and implemented features for user registration, editing, GPA calculation, and report generation. Improved usability through a clean UI and optimized database queries for performance. The system was tested with real datasets to simulate institutional use.

INSURANCE SYSTEM (FULL STACK WEB APP) — REACT, NODE.JS, EXPRESS, MYSQL, AWS (EC2, S3)
· Developed key functionalities such as file uploads, automated email notifications, and user dashboard modules. Led the integration with AWS for deployment and storage. Introduced structured error handling and modularized code for scalability, ensuring future maintainability. Used collaborative version control with Git.

INTERACTIVE GAMES: TAMAGOTCHI & TOWER DEFENSE — PYTHON, JAVASCRIPT, HTML, CSS
· Designed game mechanics and programmed dynamic events such as pet mood variations and enemy waves. Implemented reusable components for event handling and visual effects. Enhanced interactivity using event listeners and timers, and collaborated on responsive layout to ensure cross-device support.

Skills

· Frontend: HTML5, CSS3, JavaScript, React, Material UI
· Backend: Node.js, Express.js, PHP
· Databases: MySQL
· Tools: Git, GitHub, AWS (EC2, S3), Figma
· Languages: Spanish (Native), English (Advanced C1), German (Basic A1)

Certifications

· English Language Certification (C1) - Language Center, Universidad Técnica de Ambato – 2021
· Full-Time English Course– EF San Diego (2022)
· Programming and algorithm– EGG, Argentina (2022)
· German A1 – Maravillas del Mundo (2024)
· Emerging Research Frontiers in Computer Science – CSEI (2024)
· Generative AI for Software Developers – IBM / Coursera (2025)