

Alberto Valtierra Jr

Full Stack Software Engineer

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Full Stack Software Engineer with a finance and customer service background, adept at solving problems and building scalable solutions using Python, JavaScript, and SQL. Experienced in designing and deploying microservices, developing RESTful APIs, and creating full-stack applications with a user-focused approach.

Skills

Languages: JavaScript, HTML5, CSS3, Python

Frameworks/Libraries: React, Flask, Marshmallow,

Databases: SQL, PostgreSQL, MySQL

Tools/DevOps: Github, RESTful APIs, Docker, Git, Agile

Certifications: Coding Temple - Full Stack Software Engineer, 4Geeks Academy - Full Stack Developer

Projects

Ecommerce-API (Python, Flask, MySQL, RESTful APIs) [<https://github.com/Betojr04/E-commerceAPI>]

- Built a RESTful e-commerce API using Flask, SQLAlchemy, and MySQL, managing CRUD operations and complex database relationships.
- Ensured robust input validation and serialization with Marshmallow schemas for secure and efficient data handling.
- Tested and optimized API endpoints using Postman and MySQL Workbench, ensuring reliability and data integrity.

QuizApp (HTML, CSS, Javascript, RESTful APIs) [<https://github.com/Betojr04/quizapp>]

- Developed an interactive trivia quiz application using the Open Trivia Database API, incorporating dynamic question generation with user-selected categories and difficulty levels.
- Implemented state management and form validation to ensure smooth user interaction, including error handling for incomplete inputs and API issues.
- Built a responsive multi-step UI with React, featuring a home page for user inputs, a dynamic question form, and a results section providing feedback and replay options.

Professional Experience

Software Engineer Trainee: *Coding Temple* | Remote

NOV 2024 - PRESENT

- Developed an e-commerce API using Python, Flask, and PostgreSQL, enabling users to manage product data and track transactions in real-time securely.
- Built a Flask-based portfolio management tool, integrating MySQL for dynamic data storage and achieving a 20% reduction in query response time.
- Created RESTful APIs with robust authentication and error-handling mechanisms, adhering to industry best practices.
- Collaborated in an Agile environment, delivering 3+ projects under tight deadlines while enhancing team productivity by 30% using Git and version control.

Bartender: *Ghost Ranch* | Tempe, Arizona

SEP 2022 - PRESENT

- Increased daily revenue by 10% by upselling high-margin items and creating custom drink recipes tailored to customer preferences.
- Enhanced inventory tracking processes, improving accuracy by 25% and reducing waste.
- Delivered exceptional customer experiences, boosting retention rates by 15% through personalized service and problem resolution.
- Managed high-pressure shifts, multitasking efficiently to serve 100+ customers daily while maintaining excellent service quality.

Financial Representative: *Morgan Stanley* | Chandler, Arizona

APR 2024 - AUG 2024

- Managed equity compensation inquiries for 100+ clients weekly, streamlining processes to improve client engagement by 25%.
- Partnered with financial advisors to onboard clients, resulting in \$500K+ in new assets under management.
- Leveraged analytical skills to simplify client equity compensation processes, aligning them with software-based solutions for financial planning.
- Delivered a 98% client satisfaction rate by resolving complex inquiries efficiently and ensuring compliance with regulations.

Education

Coding Temple, Certificate - Software Engineering | **4Geeks Academy, Certificate - Software Engineering**