

Zachary Artman

Software Developer

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San Diego, CA, USA

Experienced Software Developer with a strong foundation in JavaScript, SQL Databases, front-end technologies, and Agile development methodologies. Proven commitment to creating innovative solutions with quality results. Enrolled in MS in Applied Artificial Intelligence and seeking full-time employment.

Work Experience

Freelance Web Developer

Feb 2022 - Present

Self-Employed

- Designed and developed web pages using front-end technologies such as HTML, CSS, JavaScript, and the JavaScript framework React, ensuring responsive and user-friendly interfaces for diverse client needs, including E-Commerce.
- Demonstrated high attention to detail to ensure websites exceed customer expectations
- Displayed ability to take ownership of features that matter to customers, learning new technologies as required.

IT Manager

Oct 2021 - Present

Las Olas Yoga | Remote

- Led the implementation of WellnessLiving CRM and later migrated to Mومence CRM with zero downtime, enhancing client management, engagement, and operational efficiency.
- Led testing and marketing automation for WellnessLiving and Mومence, guaranteeing system efficiency.
- Spearheaded troubleshooting for IT support, promoting system availability and user satisfaction.
- Boosted client engagement and retention by 40% by automating marketing processes through CRM, including targeted texts and emails.

Software Developer Intern

Jun 2023 - Aug 2023

Teledyne RD Instruments | Poway

- Met with engineers to gather project requirements and led the overhaul of a MySQL data visualization app in Python, optimizing performance with an efficient solution that automated data retrieval and graph creation, saving at least 22 engineer working days annually.
- Collaborated with cross-functional teams to enhance an automated device testing software in a production environment, improving UI, expanding device compatibility, doubling tests per device, and increasing test accuracy.
- In all applications, designed features and frameworks that allowed for clean, maintainable code. Managed source control with SVN.
- Performed code reviews and used Jira for timeline management and documented software on Confluence, ensuring clean, efficient code for future programmers and users.

Engineering Intern

May 2022 - Aug 2022

PoEWit Technologies | Fort Lauderdale

- Ensured customers received fully functional products by programming and debugging circuit boards with Python, resolving any software issues promptly.
- Developed, tested, and built energy-efficient lighting products using Power over Ethernet (PoE) technology.
- Created technical writing and product documentation, including design specifications and technical reports.

Projects

AI Financial Document Analysis Tool

Aug 2023 - May 2024

Lead Developer

- Served as the lead developer in a 9-month group project, creating a financial document analysis tool using Python and Flask, JavaScript, HTML, and CSS.
- Implemented natural language processing and Gen AI using the OpenAI API to summarize financial reports.
- Worked in a Scrum-based Agile development process to ensure timely delivery of project milestones while balancing schoolwork. Used Jira for milestone management.
- Presented the project to demonstrate its capability to aid financial analysts by highlighting significant points in documents that might be overlooked, earning positive feedback from peers and professors.

Flight Booking Simulator

Oct 2023 - Dec 2023

Lead Developer

- Developed a Flight Booking System using object oriented design (OOP) in Java using the Eclipse IDE and Gradle build tools.
- Used test driven development (TDD) and managed test environments to perform JUnit testing on all functions.
- Engineered the relational database schema using MySQL and managed version control systems using Git.
- Utilized design patterns, creating a comprehensive UML diagram to illustrate architecture and interactions.

Expense Splitting Site

Jan 2023 - Present

Sole Developer

- Developed a web application for expense sharing, enabling users to input a receipt and calculate fair distribution of costs. Supports dynamic addition/removal of bill items and proportional tax/gratuity calculations.
- Perform continuous improvement based on user feedback.
- Integrated multi-currency support for international usage, accurately converting costs and validating post-conversion calculations for global travelers.

Core Skills

Python, Java, JavaScript, C#, HTML, CSS, SQL, Git, Linux/Unix, Jira, Communication, Time Management, Collaboration, Complex Problem Solving, Agile Software Development, Test Driven, Development, Sprint Planning, Object Oriented Programming

Education

University of San Diego

May 2024 - Dec 2025

Master of Science Applied Artificial Intelligence

University of San Diego

Aug 2021 - May 2024

Bachelor of Arts Computer Science
GPA Major 3.96/4.0, Magna Cum Laude