

Steven Villacis | Software Engineer

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As a former Tesla technician, I have developed expertise in complex problem-solving, technical diagnostics, and team coordination. My quick adaptability and commitment to precision make me well-suited for the challenges and innovations in artificial intelligence, where I aim to leverage my analytical skills to drive advancements and become a valuable asset to the field.

TECHNICAL & INTERPERSONAL SKILLS

Languages: Python, JavaScript, HTML, CSS, SQL, MongoDB, JSON, TypeScript, EJS, DTL

Libraries and Frameworks: React, Express.js, Django, Jquery, Bootstrap

Databases and other: PostgreSQL, MongoDB, RESTful Routing, JSON API

Interpersonal skills: Communication, adaptability, leadership, and empathy, mentoring new hires and solving complex problems collaboratively.

TECHNICAL PROJECTS

TouchStone - [GitHub](#) | [Devpost](#) - Django, SQL, React, JS, CSS, Gemini, Figma

Developed a learning app for vision-impaired users and Braille learners, featuring a user-friendly interface, engaging quizzes, and Gemini AI for instant Braille queries and translations.

- Collaborated with the team in Google Hackathon to create a user-friendly app with Gemini AI, enhancing Braille accessibility and education for the visually impaired.
- Led the integration of front-end logic and AI technologies, overcoming initial challenges of AI unfamiliarity through dedicated research, trial and error.

Jot - [GitHub](#) | [Devpost](#) - MongoDB, NoSQL, React, JS, CSS, Figma

Developed a personalized lifelogger, allowing you to categorize, tally, and reflect on life's moments—from social outings to silly missteps—providing a unique window into your personal journey.

- Led development for frontend logic and backend architecture using React and MongoDB, ensuring efficient data handling and user interaction.
- Designed and planned the UI using Figma, focusing on user-centric principles, then developed the interface with CSS and JavaScript to enhance user engagement and optimize the experience.

ME n U - [GitHub](#) - MongoDB, NoSQL, React, JS, CSS, Figma

Developed a culinary platform where users explore global cuisines, share recipes, and enhance their cooking skills.

- Led the backend and frontend infrastructure using MongoDB and React, creating a responsive and scalable platform that supports a dynamic and interactive user experience.
- Designed the user interface with Figma and implemented with React, CSS and JavaScript, focusing on ease of navigation and engagement to encourage community interaction and recipe sharing.

Riff - [GitHub](#) - Django, SQL, React, JS, CSS, Figma

Riff is a vibrant platform where artists connect, collaborate, and co-create art, empowering a community to explore diverse perspectives and enhance creativity through dynamic, crowd-sourced projects.

- Developed the platform's backend using Django and SQL, ensuring robust data handling and efficient management of user interactions and collaborations.
- Planned and developed the platform with scalability in mind, ensuring it supports real-time artistic collaboration and user interaction effectively.

EXPERIENCE

Electric Vehicle Technician, Tesla

Elizabeth, NJ, 01/2020 - 01/2024

- During my four-year tenure, I spearheaded product launches, ensuring quality and coordinating logistics while traveling monthly to diverse locations. Additionally, I oversaw factory quality assurance and promoted standardized procedures, and provided feedback on production improvements and quality issues.
- Collaborated closely with cross-functional teams and engineers to conduct rigorous product testing, effectively identifying and addressing quality issues. This collaborative approach ensured that products met or exceeded quality standards, enhancing overall customer satisfaction and brand reputation.
- Trained new hires and advocated for standardized operating procedures, resulting in improved technical service delivery and increased customer satisfaction across all levels of the organization.

United States Marine Corps, Diesel Mechanic*Oceanside, CA, 03/2016 - 06/2020*

- Served as a Motor Transport Diesel Mechanic, specializing in engine and transmission diagnostics, repairs, and replacements, ensuring the operational readiness of military vehicles critical to mission success
- Played a pivotal role in the training and development of new Marines, imparting essential mechanical skills and fostering a culture of continuous learning and excellence within the unit.

EDUCATION

General Assembly*New York, NY Certificate: 04/2024*

Full-stack software engineering 500+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies.

AWS Certified Cloud Practitioner (CLF-C02) - Amazon Web Services (AWS)*Certificate: 06/2024*

Knowledge of core AWS services, uses, and basic AWS architecture best practices; proficiency in developing, deploying, and debugging cloud-based applications using AWS.

Stedu Association*New York, NY Certificate: 03/2024*

Completed the Intro to Machine Learning course in Spring 2024, led by Dr. Vishagan Ratnaswamy. The course focused on neural networks, data models, classification, and data fitting. For my final project, I applied these concepts in a practical project and presented it at the end of the course to demonstrate my understanding.

Universidad Catolica - Java*Relevant Coursework: 01/2014 - 01/2016*

Completed two years of focused Java programming coursework in Ecuador, South America. This program marked my initial exposure to the tech world and provided a solid foundation in software development principles and practices.