

Steven Villacis | Software Engineer

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As a former Tesla technician, I have honed my expertise in complex problem-solving, technical diagnostics, and team coordination. My quick adaptability and unwavering commitment to precision are the cornerstones of my work ethic. I am passionate about leveraging my analytical skills and technical proficiency to tackle challenges and drive innovations in software development. With a strong foundation in diagnostics and a relentless pursuit of excellence, I am dedicated to continuous growth and becoming a valuable asset in my profession.

EXPERIENCE

Tesla, TRT - Electric Vehicle Technician

USA, 01/2020 - 01/2024

- **Projects**
 - Contributed to the Model Y launch by performing retro-fits to resolve issues identified on early-built Model Ys prior to release.
 - Managed the launch for P2 Palladium, overseeing all aspects of the process for a period of 10 months.
 - Worked on the Cybertruck prototypes, removing defective parts and providing feedback to engineers on the replacement process, including time taken, tools used, and roadblocks encountered.
- **Tactical Response Team - Service Center**
 - Offered comprehensive support to diverse service locations based on key service metrics (Backlog, D.U.N.A.A, and Demand).
 - Advanced through the company's defined growth structure as a service technician, achieving the S3 technical level and attaining all relevant certifications.
- **Tactical Response Team - Factory**
 - Collaborated with various factory teams to address specific requests and operational needs.
 - Supervised the Model Y assembly line to proactively mitigate defects and identify trending issues while providing direct feedback to the Model Y Quality team.
 - Developed and implemented a final Quality Control process with the V.R.I team, resulting in increased throughput to meet delivery goals.

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.

TECHNICAL PROJECTS

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

Role: Lead Machine Learning Developer, Lead Front-end Engineer, Github Repository Manager

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

Role: Full Stack Developer, Lead UI Designer, Github Repository Manager

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.

Menu - [GitHub](#) - MongoDB, NoSQL, React, JS, CSS, Figma

Role: Lead Back-end Developer, Front-end Developer, UI Designer, Github Repository Manager

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

Role: Lead Front-end Developer, Back-end Developer, UI Designer

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.

EDUCATION

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.

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.

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.

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.