# STEVEN VILLACIS

## Full Stack Software Engineer

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## Experience

### General Assembly
New York, United States

**Software Engineer Fellow**
01/2024 - 04/2024

- Developed a range of projects from innovative apps for vision-impaired users, integrating AI technologies for real-time data processing, to developing scalable web platforms for artistic collaboration.
- Lead Machine Learning Developer, Lead Front-end Engineer, and GitHub Repository Manager for 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.
- Lead UI Designer, Full Stack Developer and GitHub Repository Manager to develop a personalized life logger, allowing you to categorize, tally, and reflect on life's moments.
- 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.

### TRT - Factory
California, United States

**Project Manager & Product Support Specialist, Tesla, Tactical Response Team**
01/2020 - 01/2024

- 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.
- 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.
- 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.

### TouchStone - Project — https://github.com/CodingDos/TouchStone
New York, United States

**Full Stack Developer**
04/2024 - 06/2024

- Acting Lead Machine Learning Developer, Lead Front-end Engineer, and Github Repository Manager for 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.

### Riff - Project — https://github.com/jwow1000/back-end-riff
New York, United States

**Lead Frontend Developer**
05/2024 - 07/2024

- Lead Front-end Developer, Back-end Developer and UI Designer in developing 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.

# Experience

## United States Marine Corps
Oceanside, CA

### Diesel Mechanic
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 82 new Marines, imparting essential mechanical skills and fostering a culture of continuous learning and excellence within the unit

# Education

## Amazon Web Services (AWS)
New York, United States

### AWS Certified Cloud Practitioner
06/2024 - 06/2024

- AWS Certified Cloud Practitioner (CLF-C02) - Amazon Web Services (AWS).
- Knowledge of core AWS services, uses, and basic AWS architecture best practices.
- Proficiency in developing, deploying and debugging cloud-based applications using AWS.

## FreeCodeCamp.org
Remote

### Web Development and JavaScript Algorithms & Data Structure Certifications
01/2023 - 01/2025

- Completed Responsive Web Design and JavaScript Algorithms courses.
- Total course hours: 10,000+ (in progress with two certifications completed).

## Stedu Association
New York, United States

### Intro to Machine Learning Certificate
03/2024 - 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
Ecuador, South America

### Relevant Coursework in Java
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.

# Summary

As a Software Engineer and former Tesla Product Specialist, I have honed my expertise in complex problem-solving, technical diagnostics, and team coordination. My ability to work in agile environments and streamline processes for product solutions and product development have supported rapid growth in my career and led to team collaboration projects successfully deploying. Experience in data analysis and evaluating risk and market trends to influence and lead product teams, QA engineers and Test Engineers to enhance features and maintain strong service delivery results.

# Skills

Amazon Web Services · Agile · Typescript · LangChain · Next.js · Clerk · Zustand · API · AWS · AWS Services · Bootstrap · CSS · Data Modeling · Debugging · Django · EJS · Express.js · Figma · Front-end · Github · HTML · Java · Javascript · Jquery · JSON · Machine Learning · Mongodb · Neural Networks · Nosql · Postgresql · Python · Restful · Routing · S3 · SQL · Typescript · Web Services · Electrical Engineering · Excel · Powerpoint · Technical Writing · Lean Manufacturing

# Find me online

🌐 LinkedIn
https://www.linkedin.com/in/steven-villacis-366a3329a/

🌐 GitHub
https://github.com/CodingDos

🌐 Portfolio
https://www.codingdos.com

# Training / Courses

Responsive Web Design — FreeCodeCamp.org

Certificate  Full-Stack Software Developer — General Assembly

Certificate  Software Engineer — Noble Desktop