

# Stanley Jovel

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Seasoned Full-Stack Engineer with 7+ years of experience in enterprise-grade web and mobile applications, specializing in front-end development. Known for embracing challenges, adhering to best coding practices, with ongoing graduate studies in AI/ML. I've led teams in ensuring robust test coverage, orchestrating continuous integration pipelines, and fulfilling scrum master duties. Proficient in React, Node.js, Redux, and TypeScript, I excel in crafting intuitive user experiences. Eager to integrate my AI/ML expertise, contributing innovative solutions to dynamic teams.

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## EDUCATION

**New York University — Masters in Computer Science** August 2022 - Expected Graduation May 2024

Coursework heavily focused on AI and Machine Learning.

**University of Wisconsin-Eau Claire — Computer Science Undergraduate** January 2016 -December 2016

Dean's list of academic excellence. GPA 4.0 out of 4.0.

**Universidad Don Bosco — Computer Science Undergraduate, El Salvador, San Salvador** January 2013 -December 2015

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## PROFESSIONAL EXPERIENCE

**New York University (NYU), New York — Research Assistant,** August 2023 - April 2024

- Contributed to the upgrade of ConnecTF, a platform built in python, django and react.js for integrating transcription factor-gene interactions (collaborated with Prof. Manpreet Singh Katari).
- Initiated the Docker Compose setup to define a multi-container application for future deployment with Kubernetes.

**HODINKEE, Inc, Remote — Software Development Team Lead** February 2021 - February 2022

- Led a team of 5 developers, implementing SCRUM methodology to optimize development cycles and enhance collaboration. Owned and managed projects for the Hodinkee Magazine, online shop, and community website.
- Utilized Agile principles to deliver high-quality software features, collaborating with clients to prioritize and refine requirements through negotiation.
- Championed strong technical analysis skills, ensuring clear understanding of project needs and facilitating efficient feature development.

**Ridgeway Pharmacy, Remote — Lead Software Engineer** October 2020 - February 2021

- Led the rewrite of Ridgeway Pharmacy's prescriptions delivery system and building a resilient, HIPAA compliant application hosted in AWS using React 16+, Redux-toolkit, Typescript, Node.js and Express.
- Mentioned in perfect scored review at Clutch.co: <https://clutch.co/profile/willdom?page=1#review-1784005>
- Translated client requirements into actionable items and managed development teams.
- Turned Figma designs into React components using Styled-components, Tailwind and Design System.
- Improved patient processing speed by 100% and migrated over 60,000+ users to the new system.

**Korinver, San Salvador, El Salvador — Lead Software Engineer** Feb 2018 - Oct 2021

- Lead software development teams of 5 members.
- Set up CI/CD pipelines to streamline the development and deployment process.
- Applied test-driven development to achieve 80% test coverage in 3 separate projects in web applications using Jest, React.js, Node.js and Typescript.
- Successfully managed client requirements and expectations, maintaining a 90% client satisfaction rate

## **GenUI, Seattle, Washington — Full-Stack Software Engineer** January 2017 - December 2017

- Promoted from intern to Lead Developer in record time.
- Fullstack developer in charge of creating RESTful Apis using Node.js and Express.js
- Developed React components in collaboration with designers and product teams to translate UI/UX concepts into performant and secure web interfaces for project USAFacts.org using React.js.
- Developed mobile solutions using Swift MVVM and Kotlin.

## **Sonhos Lab, Remote — Lead Engineer** June 2019 - September 2019

- Lead the engineering team and engaged as system architect for a complex payroll system startup based in Argentina using React.js, Node.js, Mobx, PostgreSQL, and AWS.
  - Contributed to the creation of the MVP under 4 months.
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## **PROJECTS**

### **Gunshot sound detection in urban environments - [Link](#)**

- Implemented double headed EffNet using PyTorch and trained it on a dataset of spectrograms and chromagrams.

### **Self-Driving Car Learning: Using Behavior Cloning to Accelerate Proximal Policy Optimization - [Link](#)**

- This project explores how leveraging behavior cloning (BC) can significantly reduce the training time required for a Proximal Policy Optimization (PPO) agent to master self-driving car maneuvers within the Godot game engine.

### **Machine Learning, Deep Learning Training - [Link](#)**

- Developed and trained a deep convolutional neural network using pyTorch to classify the German Transit Sign Recognition Benchmark (GTSRB) dataset achieving 98% accuracy.
  - Various ML projects ranging from Olympics winner predictions, stock market predictions and computer vision classification using pyTorch, scikit-learn, pandas and numpy.
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## **OTHER SKILLS**

- **Databases:** MongoDB, PostgreSQL, MySQL
  - **Cloud:** Heroku, AWS, Netlify, Surge
  - **Testing:** Quick+Nimble, Jest, Mocha+Chai, Cypress
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## **ARTICLES**

### **React Hooks Simplify Controlled Components** August 2019

<https://www.genui.com/insights/react-hooks-simplify>

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## **HONORS**

### **Euro Seattle Startup Weekend, Seattle** February 2017

Won third place by developing a prototype for a startup idea for an app for storage space rentals.