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.

EDUCATION

New York University — Masters in *Computer Science* August 2022 - 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

PROFESSIONAL EXPERIENCE

GenUI, Seattle, Washington — **Senior Software Engineer with AI/ML Focus,** May 2024 - PRESENT
- Research capabilities of Generative AI solutions to assess their benefits, limitations, and applications in GenUI software products.
- Serve as the Senior Fullstack Software Engineer for New York based startup L'école.ai, developing intuitive interfaces for labeling and processing Computer Vision data.
- Implemented advanced UI components for efficient labeling of objects in large-resolution images, integrating them with few-shot prediction models to enhance inference accuracy and performance.

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.

WillDom, Remote February 2020 - February 2022

   Client: HODINKEE Inc, New York — Software Development Team Lead
   - Led a team of 5 developers, implementing SCRUM methodology to optimize development cycles and enhance collaboration.
   - Managed projects for the Hodinkee Magazine, online shop, and community website, delivering high-quality software features through Agile principles and client collaboration.
   - Ensured clear understanding of project needs and facilitated efficient feature development.

   Client: Ridgeway Pharmacy, Montana — Lead Software Engineer
   - 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 January 2018 - February 2020

Junior Software Development Team Lead

○ Recognized for leadership potential by the owner and given increased leadership responsibilities on local projects.
○ Led software development teams of 5 members, mentoring new interns and guiding them through project milestones and challenges.
○ Implemented CI/CD pipelines and applied test-driven development (TDD) to achieve 80% test coverage in 3 separate projects, enhancing efficiency and reliability using Jest, React.js, Node.js, and Typescript.
○ Effectively managed client requirements and expectations, resulting in consistently positive feedback.

Client: Sonhos Lab, Seattle, Washington —Junior Lead Full Stack Engineer

○ Initiated my leadership journey by leading the engineering team and serving as a 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 within 5 months.

Client: GenUI, Seattle, Washington —Full Stack Engineer

○ Collaborated with GenUI to deliver high-quality software solutions tailored to their needs.
○ Developed full-stack solutions using React.js, Node.js, and Express.js.
○ Worked on the successful release of 3 software products, including web and mobile applications.
○ Developed mobile solutions using Swift and Kotlin.
○ Ensured seamless communication and delivery aligned with GenUI's project milestones and objectives.

GenUI, Seattle, Washington — Software Engineer Intern January 2017 - December 2017

- Promoted from intern to Full Stack developer before ending the internship period.
- 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.

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.

ARTICLES

Do Larger Context Windows Remove the Need for RAG? July 2024

https://www.genui.com/resources/inline-context-vs-vector-stores

Comparison of AI Models for Celestial Body Classification (Spanish) May 2024

https://www.stanleyjovel.com/classification_of_celestial_bodies.pdf

Mapping Urban Dynamics: Crime, Property, Subway Ridership, and Business in NYC April 2024

https://github.com/Stanley-Jovel/big-data-nyc-crime-urban-dynamics

React Hooks Simplify Controlled Components August 2019

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

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.