Santiago Rivadeneira Delgado, Mgr.

Informatics Engineer, Magister in Applied Analytics, Senior Full-Stack Developer React.js, Node.js, Machine Learning & AI

Bogotá D.C, Colombia | +57 (300) 380-5184 | santiriva19@gmail.com

https://linkedin.com/in/santiago-rivadeneira-delgado | santiago-rivadeneira-tawny.vercel.app

Professional Summary

Santiago Rivadeneira Delgado, M.Sc., is a **Full-Stack Developer** with over five years of experience in designing and implementing scalable web applications using **React.js, AngularJs, and Node.js**. He possesses a **robust background in Applied Analytics and Machine Learning**, which enables him to integrate sophisticated datadriven features into production environments. Santiago has successfully delivered AI-powered accessibility solutions for major clients like Harvard Business Publishing, showcasing his ability to meet complex business needs through innovative web technologies

Technical Skills

- **Frontend:** React.js, Next.js, Redux, AngularJs Tailwind, TypeScript, HTML/CSS, SCSS, Cypress, React Native, Expo
- **Backend:** Node.js (Express, NestJS), REST/GraphQL APIs, Microservices, MongoDB, PostgreSQL, MySQL, Firebase
- **Machine Learning & Data:** Python, scikit-learn, pandas, NumPy, TensorFlow, Power BI, Data Visualization, Big Data, AutoML
- **Cloud & DevOps:** AWS (Lambda, S3, EC2), CI/CD, GitHub Actions, Docker, Agile/SCRUM, Jira
- **Testing & Automation:** Jest, Cypress, Selenium
- **Other:** UX/UI Design, Web Accessibility (WCAG 2.1), Leadership, Mentoring, Team Collaboration

Language

- **English –** B2+ TOEFL Certified
- **Spanish -** Native

Professional Experience

University of La Sabana — Professor   **Jul 2024 – Present, Chía, Colombia**

- He teaches foundational courses in programming and information systems, guiding students through essential concepts and preparing them for advanced studies in engineering and technology. The university is a prestigious institution in Colombia, recognized for its strong academic programs and commitment to research and innovation. He teaches: Introduction to Programming, Fundamentals of Information System and Data Structures and Algorithms.

Unosquare SAS — Software Engineer   **Feb 2023 – Present, Bogotá, Colombia**

- Leadership in Accessibility: Led the adaptation of multiple high-profile websites for Harvard Business Publishing to ensure universal accessibility to retain clients that focuses on a11y, focusing on compliance with WCAG 2.1 standards. The implementation of a11y standards made a bank to resign a 2 million dollar contract.
- Collaborates as a React.js and AngularJs Developer on high-profile projects, consistently driving front-end solutions.
- Knowledge Sharing: Delivered a series of tech talks on emerging JavaScript frameworks and the critical role of programming with robust accessibility practices.
- Innovative Project: Planning to integrate his capstone project into Harvard's digital environment, aiming to enhance website accessibility for deaf individuals, ensuring full content comprehension.

Howdy — Full-Stack Engineer   **Dec 2021 – Feb 2023, Bogotá, Colombia**

- Contributed as a key member of a global SCRUM team, building web applications using React.js and Node.js.
- Utilized JavaScript, employing React.js and Vue.js for front-end design and Node.js for back-end services.
- Maintained high discipline and an organized workflow while balancing work responsibilities with university studies and soccer practices.

Teleperformance SAS — Software Engineer   **Nov 2020 – Dec 2021, Bogotá, Colombia**

- Promoted to lead UI/UX designer within two months; implemented modern component architecture with React.
- Integrated Node.js backend services with optimized REST APIs for real-time dashboards.

Consorcio Delgado Murcia — Fullstack Engineer   **Jan 2020 – Nov 2020, Bogotá, Colombia**

- Built, developed, and implemented a responsive web page using HTML, CSS and VanillaJS.
- Responsible for designing the product using mockup tools such as Figma and Adobe XD.

Relevant Projects

- **Master's Degree Thesis – University of La Sabana**   **2023-2025**
  Designed an automated ML pipeline in Python for predicting complex phenotypes such as Diabetes Mellitus Type 2, using F-score feature selection, PCA and Chi-squared. Achieved >88% of recall and >70% of F1-score on a clinical dataset with less than 5% of the features.
- **Accessibility AI Assistant – Harvard Business Review**   **2024-2025**
  Implemented an AI-driven tool translation module integrated into React applications to detect wrong semantic HTML, improving accessibility for deaf users within Harvard digital platforms. Improved over 97% of A11Y requirements over 5 projects.
- **Chrome Extension Web Scrapper – Sprout Travel**   **2022**
  Created a Chrome Extension to inject JavaScript code into Google Flights and Kayak to allow users to book the flight they wanted, with the company.
- **RPA & Bank integration – Teleperformance SAS**   **2020-2021**
  Created a website for a prestigious Bank using ReactJS and Node.js, developed an RPA orchestrator to automate processes for the agents to improve response times.

Education

- **M.Sc. in Applied Analytics**, University of La Sabana, Colombia,   **2023 - 2025**
- **B.Sc. in Informatics Engineering**, University of La Sabana, Colombia,   **2018 - 2023**
- **Student Exchange**, Miami FL – United States,   **2013 / 2015**

Certifications

- Webpack – Platzi
- Accessible Digital Tools for Disabled People – MinTIC Colombia
- Unit Testing in React with Jest, Platzi
- Scrum Foundations Professional Certificate, Certiprof
- Agile Methods Concepts, University of La Sabana