

Sebastian Rodriguez

Full-Stack Software Developer Engineer focused on Front-end and overall user experience

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sebastianrdz-2024.vercel.app

Experience

Umbrage • Associate Crafter & Crafter (Full-Stack Software Engineer)

June 2022 – Present (2 years)

- **Financial Web Application for House Acquisitions:** Led the frontend development using React and Node. Engaged in extensive client discussions to determine best approaches considering timing and budget constraints. Implemented complex UI components, ensuring real-time updates and seamless user interactions. Facilitated exchanges upwards of \$50 million USD in the housing market.
- **Umbrage Website:** Delivered a polished and user-friendly interface using React and Node. Improved website speeds by 20% and increased SEO by about 50% through effective organization of client and server-side components.
- **Blockchain-Based Life Insurance App:** Improved and updated features of a life insurance app built with DAML and Haskell; partnered with clients to meet business requirements, resulting in a 25% increase in user satisfaction and reliability
- **Collaboration and Communication:** Promoted team collaboration through open sessions and technical discussions. Engaged with clients to gather requirements and provide technical insights, balancing project scope, timing, and budget. Utilized tools like Slack, Zoom, GitHub, and Jira for effective communication and project management. Increased project delivery speed by 50%, from 44 to 72 story points.
- **Technological Proficiency:** Gained expertise in TypeScript, React, Node, DAML, and Haskell. Leveraged tools such as Postman, PostgreSQL, MongoDB, Docker, Jira, and GitHub to develop and test full-stack projects.
- **Recognition and Achievements:** Earned client recognition for exceptional frontend development and financial web application setup; implemented automation scripts that streamlined development and testing, boosting team efficiency by 40% and reducing errors by 30%

Projects

Movie Review Sentiment Analysis

- Developed a machine learning model using Python, Pandas, and Scikit-learn to analyze sentiment in IMDb movie reviews.
- Cleaned, parsed, and tokenized text data, reducing preprocessing time by 30%.
- Achieved a sentiment prediction accuracy of 85%, demonstrating proficiency in data preprocessing and machine learning algorithms.
- Processed over 50,000 reviews, ensuring a robust dataset for model training.

NLP Chatbot

- Built a Natural Language Processing chatbot using React, Python, and NLP libraries, capable of attribute extraction and intention classification.
- Defined sophisticated algorithms to process and interpret user inputs with 90% accuracy.
- Integrated the chatbot into a web application and enhanced user experience by providing accurate and context-aware responses, improving response relevance by 40%.

Internal Web Forum

- Led the frontend development of a web forum using React, NodeJS, ExpressJS, JWT, and Sequelize, improving user interface and experience.
- Deployed the application on AWS S3, ensuring 99.9% uptime and reliable, scalable hosting.
- Secured the backend using NodeJS, ExpressJS, JWT, and Sequelize, enhancing data security and reducing vulnerabilities by 25%.
- Conducted comprehensive testing, reducing bugs by 50% and ensuring smooth functionality.

Full list of projects at: sebastianrdz-2024.vercel.app

Education

Bachelors in Computer Science and Technology at Tecnologico de Monterrey (2023)

Skills

Programming Languages: JavaScript, TypeScript, HTML, CSS, C/C++, Python, Dart, Haskell, SQL

Libraries & Frameworks: Node, React, NextJS, Express, Axios, Flutter, DAML, GraphQL, Tailwind

Tools & Platforms: Git, GitHub, Postman, PostgreSQL, MongoDB, Firebase, AWS, Docker, Figma, Vercel, Netlify

Leadership Experience

AIESEC

- Led a marketing team, increasing donations and awareness by 50% through targeted research, content creation, and campaign implementation.
- Demonstrated strong team management, communication, teamwork, and strategic planning skills.

Reforestation

- Managed documentation for 32 students to meet social service requirements.
- Coordinated 50+ volunteers to plant over 50 trees, enhancing community environmental health.
- Showcased project management, leadership, organization, and community engagement abilities.