

JORGE SARRICOLEA VEYRO

Software Engineer | Expert in JavaScript, Node.js, and API Development | 4 Years of Experience in Scalable Backend Systems | Focused on RESTful APIs, Express.js, and Performance Optimization

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About me

Software Engineer with 4 years of experience specializing in JavaScript, Node.js, and API development. I focus on building scalable and high-performance backend systems, with expertise in RESTful APIs, Express.js, and performance optimization.

In addition to my backend expertise, I also have experience in frontend development, working with frameworks like React and Angular to deliver seamless and intuitive user interfaces. My goal is to leverage my skills to create efficient, scalable solutions that drive impactful results.

Experience

Software Engineer Mid-Level ↗

UNAM - UTICT | Full Time

October 2024 - Present

Remote

In my current role as a Software Engineer at UNAM's Patronato Universitario, I specialize in crafting and deploying scalable and service-oriented systems that adhere to the highest standards of quality and performance. My responsibilities include:

- **Backend Implementation:** Building backend services using Node.js and Express, following MVC patterns and clean architecture principles to ensure scalability and maintainability.
- **Frontend Development:** Crafting user-centric interfaces with React and Vite, focusing on performance and responsiveness.
- **API Design:** Creating comprehensive service contracts using OpenAPI Specification, which standardizes communication between services.
- **Code Review:** Ensuring the adherence to best practices and standards through meticulous code reviews.
- **Quality Assurance:** Contributing to testing, debugging, and security practices to maintain the integrity and quality of our software solutions.
- **Team Collaboration:** Supporting and mentoring other developers, fostering a learning environment and encouraging continuous improvement in our processes.

Full-Stack Developer ↗

Rocket Code | Full Time

January 2024 - October 2024 • 9 months

Remote

Contributed to the development of a contract and agreement management platform for an insurance company, taking an active role in both front-end and back-end development. Key contributions include:

- **Team Mentorship:** Acted as a mentor for team members, providing guidance and support in both frontend and backend tasks to ensure high-quality deliverables.
 - **Architectural Planning:** Participated in the design and planning of the platform's architecture for both front-end and back-end systems.
 - **Frontend Development:** Built responsive and user-friendly interfaces using Angular 18, ensuring compatibility across desktop and mobile devices.
 - **Backend Development:** Developed robust endpoints and services using Java, Spring Boot, and MyBatis, optimizing data handling and system performance.
 - **System Integration:** Seamlessly integrated backend APIs with frontend components to deliver a cohesive and reliable user experience.
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Front-End Developer



La DAO | Freelance

March 2024 - August 2024 • 5 months

Remote

Developed the user interface for a blockchain-based application supporting transactions with the XOC cryptocurrency. Key contributions include:

- **UI Development:** Designed and implemented key views such as the landing page, dashboard, and transaction interfaces for payments, purchases, and loans using Next.js and React.
 - **Wallet Integration:** Integrated multiple cryptocurrency wallets, including MetaMask, enabling secure and seamless user transactions.
 - **Blockchain Interaction:** Utilized Scaffold and Wagmi libraries to connect the frontend with smart contracts provided by the backend team.
 - **Collaborative Development:** Worked closely with the backend team to integrate smart contract functionalities, ensuring a cohesive and reliable user experience.
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Full-Stack Developer



ICCBR 2024 | Freelance

January 2023 - February 2024 • 1 year 1 month

Remote

Refactored and modernized an international event platform, migrating from legacy PHP to Astro and TailwindCSS on the frontend, and Node.js with Prisma on the backend. Key contributions include:

- **System Migration:** Transitioned the platform to modern technologies, enhancing maintainability, security, and performance while preserving the original design.
 - **Architecture Overhaul:** Redesigned the system architecture with best practices, implementing design patterns and robust security measures to mitigate SQL injection risks.
 - **Payment Integration:** Built and integrated a Stripe payment gateway, enabling seamless checkout and ticket purchase functionality.
 - **Scalable Deployment:** Established CI/CD pipelines with AWS for efficient and reliable deployment to the main server.
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Bubble Developer



Jumwork | Full Time

June 2021 - January 2023 • 1 year 7 months

Remote

Led the development of an academic marketplace platform from the ground up, connecting students with teachers for online task support. Key contributions include:

- **End-to-End Platform Development:** Designed and built a responsive and user-friendly platform accessible on both mobile and desktop.
 - **Feature Integration:** Implemented critical functionalities such as WhatsApp and email notifications, a private chat system with file-sharing capabilities, and a robust auction and rating system for teacher selection.
 - **Payment Gateway Integration:** Seamlessly integrated Stripe for secure payment processing, ensuring smooth transactions and a 30% reduction in payment errors.
 - **Modular Development:** Utilized Bubble plugins for scalable component modularization, optimizing feature integration.
 - **Impactful Results:** Enhanced platform usability and reliability, reducing payment errors by 30% and increasing user engagement through a streamlined user experience.
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Education

Instituto Tecnológico de Mérida

Computer Systems Engineer

Skills

JavaScript | TypeScript | Node.Js | Express.Js | AWS | Docker | Jest | Prisma | Next.Js | React.Js | Swagger | Astro | TailwindCSS | Angular | SpringBoot | Maven | Scaffold | Wagmi | Three.Js | Django | PostgreSQL | MySQL | HTML | CSS | Bootstrap | Git | PHP | Java | Python | JQuery | Bubble |