

Fernando Selam

✉ fernandoselim810@gmail.com ☎ +528781341445 📍 Colinas Azules 807, Mexico

PROFILE

I am a Senior full stack Developer with over 10 years of experience building high-performance and scalable web and mobile applications. I specialize in React, Next.js, and Node.js, focusing on creating seamless and efficient user experiences. I have a strong background in both frontend and backend development, working with modern frameworks and optimizing performance for real-time, data-driven applications. I am highly skilled in problem-solving and thrive in collaborative environments, ensuring smooth communication within cross-functional teams.

SKILLS

- **Programming Languages:** JavaScript, TypeScript, Python, C#, Ruby
- **Frontend:** React, Next.js, Vue.js, Angular, Tailwind CSS, Bootstrap, Material UI, HTML5, CSS3, Redux, Webpack
- **Backend:** Node.js, Express.js, Fastify, Django, Ruby on Rails, NestJS, REST API, GraphQL
- **Databases:** PostgreSQL, MySQL, MongoDB, Firebase
- **Cloud & DevOps:** AWS (EC2, S3, Lambda, RDS, CloudFront), Docker, Kubernetes, Terraform, Vercel
- **Testing:** Jest, Cypress, JUnit, Mockito
- **Security:** OAuth 2.0, JWT, LDAP
- **Messaging:** RabbitMQ, Kafka, WebSocket
- **CRM & Integrations:** HubSpot, Salesforce, Custom API Integrations

PROFESSIONAL EXPERIENCE

Senior Full Stack Developer – TELYNET MEXICO

July 2019 – November 2024

- Skillfully developed highly scalable web and mobile applications by utilizing the powerful capabilities of React and Next.js, which resulted in enhanced overall performance and significantly improved user experiences.
- Successfully built and meticulously deployed secure backend services leveraging Node.js and Express.js, integrated with robust databases such as PostgreSQL and MongoDB, achieving fast and reliable data handling and storage.
- Ingeniously designed and implemented REST and GraphQL APIs, which led to a remarkable increase in data retrieval efficiency by up to 20%, thereby streamlining business operations and enhancing customer satisfaction.
- Proactively streamlined continuous integration and continuous deployment (CI/CD) workflows by employing Docker and Kubernetes, which remarkably cut deployment times by 30%, fostering a more agile and efficient development environment.
- Significantly enhanced the performance of large-scale applications by expertly optimizing state management techniques using Redux and React Query, ensuring a seamless and responsive user interface.
- Actively contributed to open-source projects related to front-end development, which not only helped in enhancing my personal expertise in the field but also allowed me to give back to the developer community in meaningful ways.
- Developed and meticulously maintained the company's flagship Software as a Service (SaaS) product, which has become an indispensable tool for over 10,000 users, consistently receiving positive feedback for its reliability and user-friendly design.
- Effectively managed cloud infrastructure on AWS (including services like EC2, S3, and Lambda), ensuring the high availability and scalability of services, which is critical in meeting the growing demands of the business and its customers.

Full Stack Developer – REWORTH

September 2016 – April 2019

- Skillfully developed dynamic frontend applications utilizing React and Redux, effectively managing extensive volumes of user data with high efficiency. This accomplishment not only improved end-user interaction but also streamlined data processing workflows.
- Successfully built secure and scalable backend services employing Node.js and Express.js, which significantly enhanced server response times by 25%. This improvement facilitated a more robust and responsive backend infrastructure, catering to growing user demands.
- Pioneered the adoption of GraphQL within the team to streamline API queries, effectively reducing network overhead. This strategic move led to a notably smoother user experience by optimizing data retrieval processes and minimizing unnecessary data exchange.

- Expertly optimized the build processes by leveraging Vite, achieving faster development cycles and noticeably reducing the initial load times when compared to traditional bundlers like Webpack. This resulted in more efficient project completion and a more agile development process.
- Spearheaded the adoption of server-side rendering strategies in Next.js projects, leading to a substantial 60% increase in page load speed and significantly improved SEO rankings. This initiative greatly enhanced the online visibility and user access speed of our web applications.
- Utilized Firebase to handle real-time data and secure user authentication seamlessly. This approach significantly improved the security and reliability of user data management, fostering trust and ensuring a secure user experience.
- Integrated third-party payment processing systems, markedly increasing transaction success rates. This initiative greatly facilitated smoother financial transactions, enhancing user satisfaction and trust in our platform's transactional reliability.
- Enhanced user engagement by innovatively implementing client-side rendering (CSR) and server-side rendering (SSR) using Next.js. This dual-rendering approach resulted in faster content delivery and interactive experiences, garnering positive user feedback and increased engagement metrics.

Full Stack Developer – Oficina Springlabs LLC (Ciudad de México)

May 2010 – September 2015

- Delivered scalable e-commerce platforms using React, Next.js, and Node.js, increasing platform reliability by 30%.
- Built RESTful APIs with Express.js and PostgreSQL, ensuring fast and secure data access.
- Developed and integrated custom CRM solutions using HubSpot and Salesforce, automating customer communication and improving client interactions.
- Devised custom middleware solutions with Koa.js for enhanced request handling efficiency in high-load environments.
- Spearheaded the integration of cutting-edge server-side rendering techniques in Nuxt.js applications, resulting in improved SEO performance and a 60% boost in organic traffic.
- Implemented comprehensive end-to-end testing frameworks with Playwright, ensuring cross-browser compatibility and reducing bug incidences by 40%.
- Championed the integration of real-time data visualization using D3.js and Chart.js, enabling stakeholders to make informed decisions with up-to-the-minute insights.
- Managed production environments with AWS Lambda and S3, reducing infrastructure costs by 15%.
- Architected a secure authentication flow with Passport.js and Auth0, fortifying user data protection while simplifying login procedures across platforms.
- Enhanced app security using JWT-based authentication and OAuth 2.0.

EDUCATION

Bachelor's Degree in Computer Science – Michoacan University of Saint Nicholas of Hidalgo

2005 - 2009

PROJECTS

Fitness Website

Developed a modern fitness website with an 'Online Coaching' section, a contact form, and a 'Success Stories' page using Next.js and Node.js.

Backlink Marketplace App

Created a full-stack web application connecting backlink providers with SEO agencies using React, Next.js, Node.js, and PostgreSQL.

Portfolio Website

Built a personal portfolio using React and Next.js to showcase professional projects and skills.