**Fernando Selam**  
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**PROFILE TELYNET MEXICO**

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

**WORK EXPERIENCE**

**Senior Full Stack Developer – TELYNET MEXICO** *July 2019 – November 2024*

* Developed scalable web and mobile applications using React and Next.js, improving overall performance and user experience.
* Built and deployed secure backend services using Node.js and Express.js, integrated with PostgreSQL and MongoDB for fast and reliable data handling.
* Designed and implemented REST and GraphQL APIs, increasing data retrieval efficiency by 20%.
* Streamlined CI/CD workflows using Docker and Kubernetes, cutting deployment times by 30%.
* Enhanced performance of large-scale applications by optimizing state management with Redux and React Query.
* Orchestrated seamless integrations with third-party services such as Firebase for real-time data synchronization, enhancing feature richness.
* Contributed to open-source projects related to front-end development, enhancing personal expertise while giving back to the community.
* Developed and maintained the company's core SaaS product, used by 10,000+ users.
* Managed cloud infrastructure on AWS (EC2, S3, and Lambda), ensuring high availability and scalability.
* Mentored junior developers on best practices in front-end development, fostering a culture of continuous learning and innovation.

**Full Stack Developer – REWORTH** *September 2016 – April 2019*

* Developed dynamic frontend applications using React and Redux, handling large volumes of user data efficiently.
* Built secure and scalable backend services using Node.js and Express.js, improving server response times by 25%.
* Championed the use of GraphQL to streamline API queries and reduce network overhead, leading to a smoother user experience.
* Optimized build processes leveraging Vite for faster development cycles, reducing initial load times compared to traditional bundlers like Webpack.
* Spearheaded the adoption of server-side rendering strategies in Next.js projects, leading to a 60% increase in page load speed and improved SEO rankings.
* Leveraged Firebase for real-time data handling and secure user authentication.
* Integrated third-party payment processing systems, increasing transaction success rates.
* Improved user engagement by implementing client-side rendering (CSR) and server-side rendering (SSR) using Next.js.

**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%.
* Led an initiative to refactor legacy codebases into modular ES6+ syntax, resulting in improved readability and maintainability.
* 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%.
* Conducted interactive workshops on advanced React patterns such as render props and higher-order components, empowering team skill growth.
* 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.