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Rafael Fernandez

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Technology and Languages

- Languages: Javascript, Typescript, Python, PHP, SQL. HTML, SCSS.
- Technologies: React, NoSQL, Postgres, git, RESTful APIs, GraphQL, Jest, PHPunit, Jenkins, CI/CD pipelines, Kubernetes, Docker, Bash. Redis
- Other: Data structures and algorithms, Agile scrum, "Clean Code", SOLID principles

Work Experience

Professional & Personal Development   **2020–Present**
Personal   Remote, USA

- Traveled across the USA from Miami to California, gaining invaluable cultural insights and fostering personal growth.
- Currently pursuing the AWS Cloud Practitioner certification and expanding my knowledge in Generative AI through an online course on Udemy.
- Enthusiastic about re-engaging with the tech industry and advancing to the next level of my professional journey.

Software Engineer   **Wayfair**   **2018–2020**
Home Services Team   Boston, Ma

- **Collaborated with cross-functional teams** (PMs, BI, UI) to design and execute **A/B testing** strategies, optimizing backend and frontend integrations that resulted in a **12% boost in user engagement** and **$8M in annual revenue** for the Home Services team.
- **Integrated complex frontend and backend systems**, ensuring seamless data flow between services, leading to improved system performance and scalability for the Home Services platform.
- **Identified and addressed technical bottlenecks and technical debt** by conducting thorough technical investigations, resulting in **50+ detailed scopes of work** and enhanced backend performance.
- **Engineered dynamic dashboards and alerting systems** for monitoring microservices, improving **system reliability** and providing real-time visibility into key metrics. This enabled the team to quickly respond to issues and maintain high availability.
- **Led code reviews, contributed to codebase improvements**, and participated in **architectural discussions**, ensuring alignment with best practices and significantly reducing technical debt, saving countless hours of engineering effort.
- **Mentored new engineers**, accelerating their onboarding by providing **one-on-one guidance** and developing comprehensive documentation, resulting in the fastest ramp-up in team history.
- **Designed and implemented automated tests** (Jest, Enzyme, PHPUnit) to ensure code quality and stability, contributing to efficient deployment and continuous integration practices across multiple environments.
- **Led technical investigations** for a localization update, generating actionable Jira tickets and optimizing the integration of language tags into the system. Developed scripts to automate the identification of localization components, significantly improving scope determination.
- **Collaborated closely with teams across the organization** to ensure high system uptime and scalability during high-traffic periods. Led initiatives that improved system performance and reduced bottlenecks, contributing to more robust backend services.

Education

- **Bachelors of Computer Science,** University of Rhode Island, USA.   **2013–2014**
- **Associates of Electronic System Technology,** CCAF   **2014**