

Federico Jimenez

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Firefighter turned Software Engineer with a proven track record of writing clean and efficient code to tackle complex challenges with optimal runtime efficiency. Skilled in front-end development with a continuous focus on expanding knowledge in back-end technologies, specifically in AI and ML. Leveraging experience from the Fire Department, I have demonstrated a disciplined approach and a commitment to self-learning essential for driving successful project outcomes in dynamic environments.

Professional Experience

Terrytown Fire Department

Terrytown, LA

Operator / Firefighter

February 2016 – September 2021

- Spearheaded maintenance efforts for fire trucks, ensuring optimum functionality during emergency response situations, resulting in a 100% operational readiness rate
- Led firefighting operations at structure fires, demonstrating quick decision-making and coordination skills under high-pressure environments, successfully containing and minimizing property damage
- Implemented efficient medical care procedures for civilians impacted by fires, showcasing strong analytical skills and empathy, resulting in immediate life-saving interventions and positive outcomes
- Led training classes and drills, imparting essential firefighting knowledge and hands-on skills to team members, fostering continuous learning and operational readiness for emergency response scenarios

Projects

[fitbyfede](#) / Fitness application

- Leveraged AWS services such as EC2 and Route53 for reliable and scalable application deployment, ensuring high performance and responsiveness for users accessing the application
- Designed application as a progressive web app for cross-platform usability, providing users with a consistent and engaging experience on various devices
- Implemented user subscription handling with Stripe JS, enabling hassle-free subscription management and revenue generation capabilities
- Integrating advanced security features like NextAuth and MongoDB for data protection, ensuring user privacy and trust, leading to an increase in user retention rate

[Bowen Pain Center](#) / Medical Management App and Website

- Engineered a responsive and user-friendly website that educates patients about available procedures and connects them with the center, enhancing the center's online presence and accessibility to potential patients
- Designed the site to be responsive to desktop, laptop, tablet and cellphone devices
- Architected the website for high availability and reliability using AWS load balancers, ensuring seamless user experience and minimal downtime for visitors to the site
- Utilized Route53 to register a custom domain for the website, enhancing the center's branding and establishing a professional online identity for the organization

Education

Hack Reactor - Operation Spark

February 2022 - November 2022

Advanced Software Engineering Immersive Program

IBC Fundamentals of JavaScript, Functional Programming, and Web Development Level 3

Certifications

Amazon Web Services

[Developer](#) | [Solutions Architect](#)

Skills

Languages: Spanish, English

Soft: Communication, Leadership, Teamwork, Problem Solving

Frameworks and Technologies: Node.js, React, Next, TypeScript, CSS, Bootstrap, Tailwind CSS, Flask, Pandas, SKLearn, Matplotlib, AWS, MySQL, MongoDB, Prisma, Github

Programming Languages: HTML, JavaScript, Python, SQL

Interests: Learning new technologies, creating apps, movies, snowboarding, chess, and traveling.