Pedro Gutierrez

Software Engineer

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| 🐙 github.com/Agramonn | 🔤 English(Upper-intermediate), Spanish(Native)

EDUCATION

La Salle Noroeste University   Sonora, Mexico
Bachelor's Degree in Biomedical Engineer, GPA 9.4/10   *August 2019 – December 2023*

Oracle Next Education
Java Backend developer certification   *May 2023 – November 2023*

EXPERIENCE

Web Application Development for Medical Device Management   June 2023 – Present
IMMS, FullStack Developer   *Sonora, Mexico*

- Spearheaded the development of a comprehensive full-stack web application using Django, Bootstrap, PostgreSQL, and GitHub, resulting in a robust and user-friendly platform.
- Championed cross-functional collaboration by hosting bi-weekly feedback forums with key stakeholders, driving iterative enhancements that led to a 25% decrease in customer complaints and a 30% improvement in user engagement metrics.
- Orchestrated the implementation of an intuitive user interface, optimizing navigation flow and enhancing the application's visual aesthetics, contributing to a seamless user experience.
- Implemented functional databases, backend servers for web application, enabling efficient data handling, accessibility, yielding 30% increase in operational efficiency.

Real-Time Ventilation Prototype: Improving Critical Care   August 2022 – December 2022
IAASA, Intership Trainee   *Sonora, Mexico*

- Led the development of an integrated LabVIEW and C project aimed at creating a versatile real-time control and monitoring prototype, showcasing potential lifesaving capabilities in critical scenarios.
- Reduced the need for manual intervention by 20%, allowing paramedics to focus on critical tasks and improving overall emergency response effectiveness.

TECHNICAL SKILLS

Languages: C#, Python, SQL, Java 17, JavaScript, C++, Assembler Language
Developer Tools and Softwares: ASP.Net core, Razor Pages, Django, Spring boot 3, PostgreSQL, SQLserve, MySQL, GitHub, Heroku, AWS(S3 Buckets), Git, VS Code, Eclipse, HTML/CSS, Bootstrap, LabVIEW, Matlab, SolidWorks, mikroC(PIC), Proteus 8, MPLAB IDE, Multisim

PROJECTS

LuzmaShop - Lead developer | *ASP.NET 8, EF core, SQLserve, Angular 16, GitHub*   January 2024

- Engineered a dynamic full-stack web application with ASP.NET for backend functionality and Angular 16 for enhanced user experience, resulting in a 40% decrease in page load times.
- Led the development of a robust RESTful API using ASP.NET, enabling seamless communication between back-end and front-end components to optimize system efficiency.
- Demonstrated proactive problem-solving prowess and meticulous attention to detail in identifying and resolving intricate technical challenges, ensuring smooth project execution and delivery.

MVCMovies - Lead developer | *C#, ASP.NET core 8, Visual Studio, Entity Framework, GitHub* November 2023

- Designed and developed an MVC web application named 'MVC Movies' using ASP.NET Core 8, adhering to the Model-View-Controller (MVC) architectural pattern.
- Demonstrated proficiency in ASP.NET Core 8 and Razor Pages by effectively utilizing their features and functionalities to deliver a user-friendly and efficient web application.

Payment App - Lead developer | *C#, ASP.NET core 8, Visual Studio, Entity Framework, GitHub* November 2023

- Crafted a dynamic web application using Angular, SQL Server, Bootstrap, Swagger, Entity Framework Core, and ASP.NET technologies, achieving a 40% boost in performance and efficiency.