

Juan Marino

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SUMMARY

Experienced developer with expertise in data analysis, web design, and backend development. Proven ability to deliver quality software solutions aligned with business goals. Seeking new opportunities in software development.

EXPERIENCE

Web Application Developer II

FedEx Freight

May 2022 - Present, Chicago, IL

- Engineered a robust web application employing WebSockets for real-time updates, which streamlined dispatch operations across various regions, slashing clerical processing time by 25% and reducing operational costs through optimized routing recommendations.
- Created and executed the 'Detention Time Evaluation' web application utilizing the ESRImaps library for Angular, resulting in a 10% improvement in accuracy for tracking and billing chargeable detention time for vendors and employees.
- Developed a multi-component web application utilizing Angular, Node.js, and Microsoft SQL Server, allowing users to assess company metrics across departments, which streamlined the process resulting in over 20% reduction of assessment time.
- Built an Angular web application and database to improve project status tracking, automate deadline management, and handle time-sensitive tasks, along with credential renewals, all through a friendly user interface.
- Utilized technical skills in web development, API integration, and virtual machine management to streamline the design and deployment process for web applications and APIs.

Engineering & Quality Specialist II

FedEx Freight

February 2020 - May 2022, Memphis, TN

- Led and managed over 6 projects to provide decision support tools, models, and data to customers across multiple departments.
- Analyzed operational data/methods, identified performance improvement opportunities, and implemented new systems.
- Conducted extensive data analysis on service and profitability factors, resulting in actionable insights for process improvement.
- Led the development of an optimization model to increase productivity of piloted service center by 15%.
- Utilized SAS and Spotfire to analyze and report on operational data, resulting in improved cost control and justification for field operations.
- Designed, developed, and implemented a prioritization model simplifying operational decision making and boosting productivity by 20%.

Field Engineer Analyst

FedEx Freight

June 2018 - February 2020, Memphis, TN

- Created Spotfire dashboards to inform FXFD staff on ways to improve efficiency resulting in 99% on-time service.
- Designed a new delivery service area in Canada by utilizing VBA and implementing various optimization models.
- Researched, analyzed, and consolidated technical or engineering information and presented for management review.

PROJECTS

Masters of Science in Computer Science

University of Colorado, Boulder · August 2023 - Present

- Developed a Python Flask app on Heroku for monitoring daily tennis match statistics, efficiently processing extensive data with the MQ Rabbit scheduler. Implemented Docker for containerization, managed CI/CD through GitHub Actions, and utilized Postgres for data storage.
- Developed a Python-based deep learning model, leveraging multiple convolutional layers and hyperparameter tuning techniques, to achieve an 89% accuracy in detecting metastatic cancer within image patches.
- Achieved 80% accuracy in predicting bike rental memberships using Python and machine learning binary classification models such as gradient boosting, decision trees, and random forest classifiers, enhanced by hyperparameter tuning.

EDUCATION

Bachelor's Degree in Industrial Engineering

University of Arkansas · Fayetteville, AR · 2018

Graduate Student for Masters of Science in Computer Science

University of Colorado, Boulder · Boulder, Colorado · 2025

SKILLS

Languages: Java, Python, Typescript, JavaScript, SQL, HTML/CSS, C#

Databases: Oracle DB, MSSQL, PostgreSQL, MySQL, MongoDB

Technologies: Angular, React, React Native, Flask, NodeJS, Express, Oracle, SAS, Firebase, Okta-Auth, EJS, Esrimaps, ArcGis, Spotfire, AWS, Git, .NET, Heroku, RabbitMQ, Docker, C#, Azure, Databricks.