

BRENDAN DUFFY

Cell: 772.359.6905 ▪ bpduffy1231@gmail.com

PROFILE

Detail oriented aspiring web developer with a robust foundation in Python, JavaScript, and SQL, complemented by hands-on experience with REST APIs, GraphQL, and Java. Currently building an AI-driven options trading platform utilizing React, FastAPI, and Material-UI. Proven track record of enhancing operational efficiency through process automation and systems development. Adept at collaborating with cross-functional teams to implement technical solutions that streamline workflows, improve accuracy, and accelerate decision-making.

PROJECTS

- AI-Powered Options Trading Platform (Ongoing Project).
- Developing a full-stack trading platform using React (Material-UI), FastAPI, and Python to automate options trading decisions through AI-driven analytics.
- Integrated REST APIs and GraphQL endpoints for real-time market data retrieval and sentiment analysis.
- Designed a dynamic, responsive React-based frontend to visualize options pricing models and trading strategies.
- Optimized backend processes with FastAPI to facilitate rapid trade execution and enhance analytical accuracy using the Kelly Criterion.
- Implemented authentication and authorization mechanisms using OAuth and JWT to enhance security.

SKILLS

Programming Languages: Python, JavaScript, SQL, Java, TypeScript

Frameworks and Libraries:

- *Frontend*: React, Material-UI, Next.js, Redux, Axios
- *Backend*: FastAPI, Node.js, Express.js, NestJS
- *API Technologies*: REST APIs, GraphQL
- *Database*: PostgreSQL, MySQL, MongoDB
- *Tools & Technologies*: Git (Github), Visual Studio Code, JD Edwards, Agile Methodologies, CI/CD Concepts, AWS (EC2, S3, Lambda – Learning), Firebase (Familiar), PostgreSQL, MongoDB, Data Automation, Financial Reporting, System Integration, Excel Macros, Jest (Basic Understanding), Cypress (Learning), Selenium (Familiar)
- *Development Practices*: Microservices Architecture (Familiar), Performance Optimization (Lazy Loading, Caching, Load Balancing – Learning), Security Best Practices (OAuth, JWT, RBAC, OWASP Security Principles – Learning, Scalable System Design (Developing Knowledge)

CERTIFICATION

Certified Management Accountant (CMA) Candidate

December 2022
(Test Passed)

EDUCATION

University of West Florida
MBA-Business Analytics Emphasis

Graduated:
May 2021

University of Central Florida
B.S - Accounting

Graduated:
August 2015

PROFESSIONAL EXPERIENCE

Otis Elevator, West Palm Beach FL
Project Manager - Maintenance Service

November 2015-
Current

Throughout my tenure at Otis Elevator, I have played a key role in modernizing financial and operational processes through automation, data analysis, and systems development. Working across multiple departments, I have leveraged my programming skills to enhance reporting accuracy, streamline billing workflows, and improve data-driven decision-making for senior leadership and branch managers.

- Developed and deployed Python scripts to automate complex billing workflows, reducing manual errors and increasing invoicing accuracy.
- Designed and implemented REST API integrations to improve data transfer across internal systems, enhancing real-time tracking and minimizing bottlenecks.
- Led the creation of Excel-based automation tools using Python, expediting financial data analysis and reducing turnaround time by 40%.
- Built and optimized SQL queries for large-scale data extraction and analysis, driving more informed strategic decision-making.
- Partnered with IT and finance teams to enhance JD Edwards system capabilities, ensuring seamless integration of financial reporting and billing functions.
- Automated reconciliation processes using SQL and Python, improving reporting efficiency and reducing discrepancies.
- Developed and delivered automated dashboard and analytics tools that provided real-time insights to sales representatives and managers, improving forecasting and decision-making.
- Spearheaded the development of training programs to educate teams on new automation processes, improving adoption rates and operational efficiency.

Orange Management, Lake Mary, FL
Treasury- Full Time Accounting Intern

April 2015-
September 2015

- Processed receivables and payables on over 150 properties per day, ensuring accuracy and timeliness in financial transactions.
- Completed bank reconciliations for three accounts exceeding \$250,000, reconciling financial records with bank statements.
- Communicated effectively with clients, vendors, and management, fostering strong professional relationships, and resolving queries promptly.
- Worked closely under the supervision of the controller, contributing to the preparation and issuance of financial statements to support decision-making processes.