Melissa Abreu

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Junior Software Engineer | Full-Stack Developer

Motivated software engineer with hands-on experience in JavaScript, React, Node.js, and PostgreSQL. Graduate of General Assembly's Software Engineering Immersive, combining technical expertise with a strong foundation in economics and operations. Skilled in designing efficient systems, solving complex problems, and collaborating in agile development environments.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), Python, HTML5, CSS3, SQL, Tailwind CSS
Frameworks & Libraries: React, Node.js, Express, Django, Bootstrap, jQuery
Databases: PostgreSQL, MongoDB
Tools & Platforms: Git/GitHub, VS Code, Heroku, Render, Netlify, Postman
Concepts: REST APIs, Agile, MVC Architecture, Responsive Design, Test-Driven Development (TDD)
Additional Tools: R, QuickBooks, Adobe Suite, Drake Software

PROFESSIONAL EXPERIENCE

FELIPE TAX CORPORATION, Queens, NY   **January 2022 - April 2025**
Tax Preparer
- Automated client filing workflows using VBA/Excel macros, reducing average client turnaround time by 36% (e.g., from 14 days to 9 days) across the firm's client base.
- Analyzed large datasets and financial records for 300+ individual and business tax returns annually in Drake Software, ensuring 100% compliance.
- Provided data-driven financial advice to clients, optimizing tax liabilities and maximizing return value based on detailed analytics.
- Trained 5 new staff members on digital filing systems and implemented improved documentation processes, increasing team efficiency.

WALMART E-COMMERCE, Pedricktown, NJ   **August 2021 - December 2022**
Logistics Coordinator / Remedy Analyst
- Managed and queried high-volume SQL and NOVA databases containing logistics data for a major regional distribution center (serving multiple states/regions).
- Engineered a custom dashboard to monitor and categorize incoming Fix-It tickets (averaging 50+ tickets per week), improving critical system response time by 25%.
- Collaborated directly with senior backend engineers on 3 major process automation projects to troubleshoot system errors and streamline large-scale package flow.

PROJECTS

COOK UP, Charlotte, NC
Student At General Assembly
- Built a full-stack application with React, Node.js, Express, and MongoDB, designed to solve the common user problem of meal planning with available ingredients.
- Integrated the Google Gemini API to provide dynamic, AI-powered recipe generation, handling complex asynchronous requests for content creation.
- Implemented a user-centric design using Tailwind CSS and the MVC architecture that resulted in a fully responsive interface (validated by the Google UX certification principles).

- Managed the full CRUD cycle for recipe saving, editing, and deletion, ensuring data persistence and a seamless user experience.

TELLIN', Charlotte, NC
Student At General Assembly
- Built a traditional full-stack CRUD application using vanilla JavaScript, EJS templates, CSS, and Express to serve user-generated content (photographs, poems, short stories).
- Executed complete backend logic and routing using Express, managing data storage and retrieval via PostgreSQL (or MongoDB—specify which database you used for this one).
- Demonstrated foundational competency in full-stack development without relying on modern frameworks.

CONCENTRATION GAME, Charlotte, NC
Student At General Assembly
- Created a classic memory matching game developed using only Vanilla JavaScript and CSS, focusing on clean code and DOM manipulation logic.
- Implemented time complexity considerations and strict game logic to track up to 16 distinct image pairs with a fixed attempt limit (4 tries), ensuring playability and challenge.

ECHOES, Charlotte, NC
Student At General Assembly
- Built a traditional full-stack CRUD application using vanilla JavaScript, EJS templates, CSS, and Express to serve user-generated content (photographs, poems, short stories).
- Executed complete backend logic and routing using Express, managing data storage and retrieval via PostgreSQL (or MongoDB—specify which database you used for this one).
- Demonstrated foundational competency in full-stack development without relying on modern frameworks.

EDUCATION

Advance Software Engineering Immersive Program
General Assembly, Charlotte, NC (Remote)
- Related Coursework: Full-Stack Development (MERN/PERN), Advanced JavaScript (ES6+), React, Node.js, Express, PostgreSQL/MongoDB, REST APIs, Test-Driven Development (TDD), and Agile Methodology.

Bachelor of Arts Economics
Queens College, City University of New York, Queens, NY
- Conducted a quantitative research project, analyzing OECD data for 37 countries to determine the relationship between Labor Productivity and Labor Utilization.
- Relevant course work: Price Theory, Econometrics, Business & Economics, Statistics.
- Member of Alliance of Latin American Students (ALAS).

Associate of Arts Liberal Arts
Borough of Manhattan Community College, New York, NY
- Member of Freshman Learning Academy (FLA).

CERTIFICATIONS

- Google | Foundation of User Experience (UX) Design - Jun 2024
- La Guardia CC | Accredited Tax Preparer (ATP) - May 2019