

# Diandre Miller

## Full Stack Software Engineer

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## Technical Skills

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**Front End:** JavaScript, TypeScript, Python, React, Express, HTML/CSS, Axios

**Back End:** Node.js, Express, PostgreSQL, Sequelize, REST APIs, Data Structures, Algorithms, Supabase

**Methodologies:** Agile, Sprint Planning, Code Reviews, Peer Programming

## Technical Projects

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### WealthWise (project) | [Live](#) | [Github](#)

*A financial planning app that analyzes disposable income to provide investment insights and strategic recommendations.*

- **Developed** a full-stack financial planning application using React, Tailwind CSS, PostgreSQL, and Sequelize ORM, integrating external APIs for real-time financial data.
- **Engineered** automated budget calculations to track income and expenses, enhancing financial decision-making.
- **Implemented** passkey authentication, encrypted user data, and added rate limiting to enhance security and prevent attacks.
- **Ensured** input sanitization and validation using dompurify, Formik, Joi, and parameterized SQL queries to prevent XSS and SQL injections.
- **Integrated** AI-powered investment guidance, helping users optimize financial decisions.
- **Designed** a responsive, intuitive UI using Tailwind CSS, improving user engagement.

### \$mrtCART (project) | [Live](#) | [Github](#)

*A grocery price comparison app that helps users save 10-20% on groceries by comparing store prices.*

- **Led development** of \$mrtCART, utilizing React, Tailwind CSS, PostgreSQL, and external APIs to provide real-time product price comparisons.
- **Designed** a real-time product search feature, increasing user engagement by 30%.
- **Built** a one-click recipe-to-cart function, reducing manual item searches by 95%.
- **Implemented** a shopping cart price comparison tool, enabling users to optimize spending across stores.
- **Reduced page load time** by 50% through optimized loading strategies and timeout mechanisms.
- **Designed** a visually appealing recipe page with Tailwind CSS for an enhanced user experience.

## Professional Experience

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### Javascript Instructor | Self-Employed, Remote

January 2025 - Current

- **Designed and delivered** a comprehensive JavaScript curriculum covering data types, classes, prototypes, asynchronous programming, and core data structures & algorithms
- **Guided students** in building small-scale applications to apply theoretical knowledge in real-world coding scenarios
- **Facilitated mock** technical and behavioral interviews to prepare learners for software engineering roles
- **Mentored aspiring developers**, strengthening problem-solving skills and confidence in coding interviews

### Assistant Program Director | East Flatbush Village, Inc., Brooklyn, NY

2015 - January 2019

- **Planned and scheduled**, programming and event coverage, based on length, time availability, and other factors, such as community needs, ratings data, and demographics which resulted in a 25 percent increase in attendance
- **Directed and coordinated** activities of personnel engaged in activities, sports, and programming
- **Established work schedules** and assigned work to 40 staff members, improving operational efficiency 10 percent
- **Assisted in** personnel duties, such as hiring staff 5 members and evaluating work performance by 15 percent
- **Monitored and reviewed** programming to ensure that schedules are met, guidelines are adhered to, and performances are of adequate quality

### Administrative Director | East Flatbush Village, Inc., Brooklyn, NY

2014-2015

- **Prepared** invoices, reports, memos, letters, financial statements, and other documents, using word processing, spreadsheet, database, and presentation software and reducing preparation time by 30 percent
- **Read and analyzed** incoming memos, submissions, and reports to determine their significance and planned their distribution
- **Prepared responses** for correspondence containing routine inquiries
- **Managed and maintained** executives' schedules reducing scheduling conflicts by 50 percent

## Education

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