

# Darryl McDonald

## Software Engineer

[Linkedin](#) | [Github](#) | [darryldmcdonald@gmail.com](mailto:darryldmcdonald@gmail.com) | 504-215-4799 | Baton Rouge, LA

Certified javascript full stack web developer eager for opportunities to apply my skills and knowledge. Adept at conceptualizing, developing, and optimizing innovative web applications. Experienced in leading cross-functional teams toward successful project outcomes, with a strong focus on enhancing the performance and scalability of complex systems. Excited about the prospect of contributing my passion for technology and acquired skills to drive excellence within your team. Seeking a role that allows me to leverage my enthusiasm and training for the benefit of your organization.

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## Projects

**Scvn Jrny** | [github.com/ddmcdona06/scavenjourneys](https://github.com/ddmcdona06/scavenjourneys)

*A scavenger hunt app aimed at providing locale exploration and new memorable experiences*

- Implemented secure authentication using Google OAuth 2.0 and Passport.js, enhancing user experience by allowing users to log in using a more frictionless process while leaning on these 3P platforms for security.
- Integrated speech-to-text native Web Speech API to enhance the application's accessibility and user experience, making it more inclusive and user-friendly. Applied text-to-speech features enabling users to have on-demand text content read aloud, improving user accessibility.
- Customized Material-UI theme components to match the project's specific design requirements.

**Resolution** | [github.com/ddmcdona06/resolution](https://github.com/ddmcdona06/resolution)

*A conflict instigation and resolution app*

- Designed and implemented a MySQL database leveraging Sequelize ORM for data modeling and management
- Designed and built responsive and visually appealing components utilizing Bootstrap in a React frontend.
- Employed Node.js and Express to seamlessly manage back-end routing for enhanced system functionality.

**Story Time** | [github.com/ddmcdona06/StoryTime](https://github.com/ddmcdona06/StoryTime)

*An interactive story-building app*

- Managed data flow within a modern web application by using Axios requests to facilitate the seamless transfer of information across MySQL, Express.js, Node.js, and React.
  - Leveraged the PuTTY interface to establish secure SSH connections to an AWS EC2 instance, facilitating remote administration and maintenance.
  - Designed and implemented dynamic and responsive web application navigation by constructing component routing using the React-routing framework.
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## Work Experience

**Operation Spark** | Dec 2023 - Present

*Helpdesk Technician*

- Provide technical support to bootcamp participants, assisting with programming concepts, debugging, and troubleshooting issues related to software development projects.
- Respond to helpdesk tickets promptly, addressing software and coding challenges bootcamp participants face, and ensuring a positive and productive experience.
- Stay updated on industry trends, programming languages, and development tools to provide relevant and up-to-date support to bootcamp participants.

**Capital One Bank** | Apr 2006 - Mar 2023

*Principal Coordinator*

Demonstrated exceptional leadership and management skills by serving as a Team Lead for Commercial Banking Operations, overseeing a high-performing team of 20 professionals. Acted as a subject matter expert, providing guidance and expertise to team members in complex banking transactions, financial analysis, and risk assessment.

- Leveraged advanced data analysis techniques and auditing tools to identify irregularities, trends, and potential risks, proactively mitigating issues before they impacted financial operations.
- Demonstrated a systematic approach to error analysis, efficiently pinpointing root causes and implementing corrective measures, causing a 70% reduction in error rate.
- Played a pivotal role in safeguarding sensitive healthcare data by ensuring accurate and HIPAA-compliant information entry and promoting data integrity and privacy.
- Successfully identified bottlenecks and inefficiencies in the existing sorting workflow, leading to a comprehensive overhaul and a 25% reduction in processing time.

- Supervised and motivated the team to provide top-notch service to 300+ clients, consistently exceeding their expectations.
- Managed and monitored daily operations, ensuring the security and accuracy of financial transactions, resulting in an average daily deposit totaling \$9 million.
- Streamlined task assignment processes by strategically matching tasks to associates' individual strengths and expertise.
- Spearheaded and organized a wide range of events, programs, and initiatives aimed at promoting employee engagement, diversity, and professional development in the role of Southern Region Lead for Capital One Associate Engagement Network.
- Effectively facilitated hands-on training sessions, ensuring a deep understanding of operational software functionalities and proficient equipment operation.

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## Skills

### Proficient:

Javascript | Material UI | React.js | Node.js | Express.js | MySQL | Git Workflow  
Routing | API's | Axios | CSS | Debugging | Team Leadership | Problem Solving

### Additional:

Typescript | Bootstrap | TypeORM | Sequelize.js | AWS EC2 | MongoDB  
Data Modeling | Passport.js | Google OAuth2.0 | Putty | Data Integrity  
HIPAA | Financial Analysis

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## Education

### Operation Spark

*Advanced Software Engineering Immersive Program*

IBC Fundamentals of Javascript Level I

IBC Functional Programming Level II

IBC Web Development Level III

### Loyola University

Bachelor of the Arts, Theater

Business Management

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## Organizations/Volunteerism

### Alpha Phi Alpha Fraternity, Inc.

Treasurer | Financial Secretary | Corresponding Secretary

Sergeant-at-Arms | Membership Intake Officer

### Project Butterfly New Orleans

Board of Directors

### Youth Run NOLA

504K Race Committee

Race Day Volunteer

Event Team Leadership