

Darryl McDonald

Software Engineer

[Linkedin](#) | [Github](#) | darryldmcdonald@gmail.com | 504-215-4799

Results-driven software engineer with a proven track record of conceptualizing, developing, and optimizing innovative web applications. Experienced in leading cross-functional teams to successful project outcomes, with a keen focus on enhancing the performance and scalability of complex systems. Seeking an opportunity to leverage my expertise and passion for technology to drive excellence within your team.

Projects

Scvn Jrny | 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

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

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.
-

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.
 - Played a pivotal role in safeguarding sensitive healthcare data by ensuring accurate and HIPAA-compliant information entry and promoting data integrity and privacy.
-

Education

Operation Spark

Advanced Software Engineering Immersive Program

IBC Fundamentals of Javascript, Functional Programming, and Web Development Level 3

Loyola University

Bachelor of the Arts, Theater

Business Management