

Jason Murphy

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FULL-STACK SOFTWARE ENGINEERING | TECHNICAL SUPPORT

Career Profile

Proven talent for aligning organizational strategy and objectives with established and emerging technical paradigms to achieve maximum operational impacts with minimum resource expenditures. Results-focused candidate with a marked interest in remote-based roles focusing on full-stack software engineering. Critical thinker with innovative and strategic mindset to facilitate technology projects to standout success. Exceptionally dedicated professional with keen interpersonal and communication skills for the modern tech landscape.

Core Competencies

- Cloud & Ecommerce Solutions
- Project Coordination
- Team Collaboration
- Full-Stack Engineering
- Application Development
- Web Development
- Customer Support
- Data Analytics
- QA Testing

Education and Credentials

CODING BOOTCAMP, 2023; App Academy

AWS CERTIFIED DEVELOPER ASSOCIATE, 2021; Amazon Web Services (exp. February 2024)

Professional Experience

CUBESEED, 2023 TO PRESENT

Volunteer-based project that is empowering agriculture in Africa through contract-driven virtual marketplace.

FULL-STACK ENGINEER

- Resolve open GitHub issues related to both the frontend and backend.
- Propose features and solutions to include automation scripts to speed up developer onboarding.
- Develop and maintain backend and frontend repos
- Identify components that needed refactoring
- Facilitate the writing and updating of technical documentation.

FULLSCRIPT, TUOLUMNE, CA, 2021 TO 2023

REMOTE CUSTOMER SUPPORT SPECIALIST

- Engaged in extensive technical troubleshooting to include regularly assisting customers with platform-related issues, gaining a deep understanding of software architecture and potential pain points.
- Took an active role in QA Testing, which included collaboration with the development team to identify bugs and recommend improvements.
- Communicated and collaborated effectively with remote team members via tools such as Slack, Zoom, and Jira, honing skills essential for distributed software development teams.

Projects

SLACORD *REACT.JS, FLASK, SQL, WEBSOCKETS*

[live](#) | [github](#)

Discord-inspired clone web application

- Frontend: Utilized React's useState and useEffect hooks alongside onClick event listeners and Redux's useDispatch hook, enabling dynamic UI interactions and seamless channel additions to servers, resulting in an enhanced user-friendly interface.
- Backend: Flask's routing and middleware capabilities to efficiently handle requests and serve data, ensuring reliable performance and quick server responses. Interactions, optimizing the e-commerce data flow and enhancing server efficiency.
- Data Management: Implemented SQL database schemas and queries to manage user data and messages, streamlining data operations for timely and accurate user data access.
- Cloud Management: Integrated AWS S3 buckets with appropriate access policies for storing user photos, providing a fast and reliable media storage solution.

PANGAEA PRIME *REACT.JS, NODE.JS, SQL*

[live](#) | [github](#)

Amazon-inspired ecommerce clone

- Frontend: Employed React's useState and useEffect hooks for dynamic content rendering and state management. Integrated useHistory from the react-router library for seamless navigation, and utilized onClick and onChange event listeners for interactive product selections and user inputs.
- Backend: Implemented Express's Router for modular route handling, integrated specific middleware functions for error handling and request validation, and utilized async/await patterns within route controllers to manage database interactions, optimizing the e-commerce data flow and enhancing server efficiency.
- E-commerce Features: Developed a cart system using Redux's action creators and reducers for state transitions. Integrated product filtering through regular expressions for precise search capabilities. For the user review system, utilized regular expressions for input pattern checks, employed JavaScript validations for mandatory fields, and cross-referenced user session tokens to ensure authenticated and genuine feedback submissions.

AIRBZB *REACT.JS, NODE.JS, SQL*

[live](#) | [github](#)

Property rental platform inspired by Airbnb, crafted with React, Express, and SQL

- Frontend: Utilized Redux's combineReducers to modularize state management and createStore for initializing the app's state. Integrated middleware like redux-thunk for handling asynchronous actions, ensuring real-time property updates and a responsive booking interface, thereby enhancing user engagement.
- Backend: Leveraged Sequelize for structured data modeling, defining models with associations such as hasOne and belongsTo for relational data. Utilized its query interface for data retrieval, updates, and deletions.
- Data Management: Designed normalized PostgreSQL schemas and implemented JOIN operations, streamlining data retrieval and ensuring users receive accurate property and booking information.
- Rental Features: Developed property search using full-text search algorithms, implemented dynamic booking calendars utilizing React's state transitions, and incorporated a feedback system to capture guest reviews, ensuring a comprehensive and user-centric rental experience.

Additional Information

Technical Proficiencies: React, Redux, Python, Flask, JavaScript, SQL, HTML, CSS, Express, Node.js, MongoDB, Angular, Tailwind

Interests: films, games, guitar (recreational)