

Jonathan Ghebrial

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Education/Publications

University of California Irvine

Bachelor of Arts

Irvine, CA

Graduation Date - 2020

Tech Talk - Speaker

Delivered sponsored talk on React to 30+ SWE's

July 2024

Medium Article

[moleQLar](#)

July 2024

TECHNOLOGY EXPERIENCE

JavaScript (ES6+), HTML, CSS, React, Redux, Node.js, Express, SQL (PostgreSQL), NoSQL (MongoDB), Webpack, Docker, GraphQL, RESTful API, JWT, OAuth, Figma, Sass, Jest, TypeScript, Jira, AWS (ECS, ECR, EC2, Fargate, CloudWatch, CLI)

RELEVANT EXPERIENCE

MoleQLar (Open Source) | Software Engineer

April 2024 - present

- Developed dynamic UI components with React to enhance user interactivity and maintainability by leveraging its virtual DOM and component-based architecture, making informed decisions on state management and component hierarchy to ensure long-term stability and maintainability
- Implemented client-side routing with React Router to enable smooth navigation and improve user experience by reducing page load times and minimizing unnecessary page reloads
- Utilized React-Flow-Renderer to create complex workflow visualizations, enhancing data interaction and understanding through real-time, interactive data manipulation
- Optimized data fetching and management using GraphQL to improve application performance and developer productivity by precisely fetching necessary data and reducing over-fetching
- Integrated JWT for secure authentication and authorization, enhancing scalability and ensuring a seamless and secure user experience through efficient session management
- Configured Webpack for module bundling and hot module reloading, reducing load times and enhancing developer experience
- Leveraged Sass for advanced styling capabilities, reducing code redundancy and improving maintainability
- Utilized PostgreSQL for robust and scalable database management, ensuring efficient storage and retrieval of user information and supporting dynamic application requirements
- Conducted accessibility and functionality testing using React Testing Library, enhancing the overall user experience and achieving over 90% test code coverage
- Containerized the application with Docker to streamline the development and deployment process, ensuring reliable and consistent application launches
- Deployed and managed services using AWS ECS, ECR, and Fargate, leveraging these services to ensure scalable and reliable application hosting
- Monitored application performance and resource usage with Amazon CloudWatch, maintaining optimal service health
- Utilized AWS CLI for efficient management of AWS services, automating deployment processes and reducing the potential for human error

Software Engineer | LunchBox (Open Source)

April 2024 - August 2024

- Configured Webpack to bundle JavaScript and CSS files, streamlining the build process and enhancing overall app performance
- Utilized MongoDB to store user data, session information, and manage user authentication, providing a scalable and flexible database solution
- Built the server-side application using Express to handle API requests, manage sessions, and serve static files, efficiently managing HTTP requests and user sessions

Software Engineer | JobHub (Open Source)

April 2024 - August 2024

- Utilized Supabase to connect to a PostgreSQL database, ensuring secure and efficient data management for the application
- Implemented Redux and Redux Toolkit to manage global state, simplifying state updates and enhancing overall maintainability of the application
- Employed Jest and Mocha to develop and run unit tests, identifying and resolving core functionalities like syncing, finding, and dropping markets, ensuring high code quality

INTERESTS

Licensed scuba diver who has explored coral reefs in Egypt's Red Sea. High school basketball coach at a church, fostering skills and teamwork in young athletes. Enthusiastic Lakers fan and avid player. Owner of Molly, a dog who enjoys daily walks and outdoor play.