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Phakday Russell

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Education

Johnson & Wales University	**Candidate, 08/2021 – Present**
Bachelor of Science, **Computer Science**, G.P.A 4.0, Dean's List	**Providence, RI**

Software Engineering Projects

InventoryMaker   **04/2025 – Present**
- Designed and maintain an open-source framework to help Roblox developers create interactive and customizable inventory systems for their games, using the Roblox game engine API
- Built and deployed a static documentation site with React and Typescript, using Git and GitHub for version control
- Published a demo experience with over 600+ visits showcasing the features of the framework

Antique Furniture E-Commerce App   **01/2024 – 04/2024**
- Developed a fullstack, responsive web application using React TypeScript, MongoDB, and Go, enabling users to list antique furniture for sale with descriptions and images
- Implemented the backend in Go with a Test Driven Development workflow to ensure a robust API
- Wrote 14 integration tests for endpoint handlers and database operations to maintain code quality
- Integrated the Stripe API to process secure credit card payment transactions

Android Exercise Tracking App   **11/2023 - 12/2023**
- Developed a basic Android app in Android Studio with Kotlin that interacts with an external API to calculate calories burned based on exercise and displays it to the user
- Implemented authentication so users can log new exercises and view their exercise history

Mock RateMyProfessor   **09/2023 - 10/2023**
- Developed a web application using JavaScript, CSS, MySQL, and PHP, where authenticated users can write reviews and rate their professors
- Added a search bar feature for users to search specific professors and view all associated reviews
- Implemented an admin dashboard for administrators to monitor and delete reviews

Fullstack Flashcard Web App   **11/2022 – 05/2023**
- Developed a CRUD flashcard web application using React TS, CSS, MySQL, and Node.js, allowing users to create and save flashcards, and organize them into decks for studying
- Implemented user authentication to allow users to view and edit all their saved decks and cards
- Created a study mode feature with CSS card flipping animations for an enhanced user experience

Trello Web App   **10/2022 – 12/2022**
- Developed a visual task management system, allowing users to organize their project goals
- Implemented user authentication, allowing users to create, customize, and categorize their tasks

Related Coursework

- Distributed Systems, Data Structures and Algorithms, Survey of Programming Languages, Computer Science II, Discrete Mathematics, Software Verification, Validation, Testing and Security, Assembly

Technical Skills

- JavaScript, TypeScript, Golang, C++, Lua, HTML, CSS, PHP, Python, Java, C, SQL, NoSQL, SQLite
- React, Node.js, RESTful API, MySQL, MongoDB, Agile, Object-Oriented Programming, Git, UI, UX, GitHub, Docker/Containers