Charles Neal Cruse

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Objective: Full-stack software engineer seeking a web development position to create user-centric solutions
Technologies: React/Redux | JavaScript | Ruby on Rails | Python | PostgreSQL | MongoDB | HTML | CSS

PROJECT HIGHLIGHTS

StarWarsbnb *(React/Redux, Rails, JavaScript, PostgreSQL, AWS S3, Google Maps)*   Live • GitHub
An Airbnb clone which allows users to have full reservation and review functionality

- Utilized Redux to manage a global state for real-time reservation functionality and eliminate page reloads
- Created RESTful API routes with Rails for efficient data transfer between user interface and server
- Implemented Active Record ORM models to validate user inputs and accurately store reservations and reviews
- Built associations across relational database tables to efficiently retrieve and manipulate data, enabling seamless user experience with creating reservations and reviews
- Integrated Amazon Web Services S3 data storage to Active Storage for uploading and retrieving image assets, ensuring a scalable architecture capable of handling a growing volume of assets on the website.

Benchwarmers *(MongoDB, Express, React/Redux, Node.js, Google Maps)*   Live • GitHub
A sport-focused social web app used to create and join local sporting events

- Implemented client-side form validation using Redux to provide error handling and preserve previously input information to users when creating/editing events, minimizing user effort
- Integrated Google Maps API, allowing users to use point-and-click or text autocomplete features for location geocoding, streamlining event creation process for users
- Reviewed and corrected API routes for platform-wide consistency of an event's attendee list when users deleted their own profile
- Employed GitHub's version control to support CI/CD and prevent merge conflicts by using feature branches, while also facilitating code quality assurance and feedback via Pull Requests

RELATED WORK EXPERIENCE

App Academy *Remote*   *07/2023 - Present*
Software Engineer Assistant

- Conduct code reviews to debug, improve coding practices, and optimize personal projects for 300+ students in technologies such as React/React Native, Ruby on Rails, Django, and SQL
- Facilitate mock interviews and technical assessments, preparing students for job interviews and enhancing their skills in whiteboard coding and problem-solving

Scale AI *Remote - Freelance*   *05/2023 - Present*
AI Training Engineer

- Testing AI-generated code and providing detailed feedback to enhance response accuracy, clarity, or efficiency
- Documenting and communicating test results, including defects and issues, to development team to prevent future errors with the testing system and AI product

Accenture *Arlington, VA, USA*   *09/2017 – 09/2019*
Management Consulting Senior Analyst

- Developed survey tool by meeting with clients to gain insight on requirements and desired functionality, testing and executing code, and updating tool for new versions
- Assisted in creating routine communication material sent to client leadership and 1000+ employees
- Performed market analyses to capture market size, competitor share, and identify potential entry points

EDUCATION

App Academy *New York, NY, USA*   *01/2023 – 04/2023*
1000+ hours immersive software development course with focus on full stack web development

Virginia Polytechnic Institute & State University *Blacksburg, VA, USA*   *08/2014 – 05/2017*
Bachelor of Science in Finance and Management