

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

RELATED WORK EXPERIENCE

App Academy Remote - Part-time

07/2023 - Present

Software Engineer Assistant

- Conduct code reviews to debug and optimize personal projects for students to develop reusable API calls with Axios and TypeScript for easier API interaction
- Enhance student skills in whiteboard coding, pseudo-coding, and problem-solving by conducting technical assessments

Scale AI Remote - Freelance

05/2023 - Present

AI Training Engineer

- Test AI-generated code focused on Data Structures and Algorithms and provide detailed feedback to enhance response accuracy, clarity, or efficiency
- Document and communicate 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

PROJECT HIGHLIGHTS

StarWarsbnb (React/Redux, Rails, JavaScript, PostgreSQL, AWS S3, Google Maps)

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An Airbnb clone which allows users to have full reservation and review functionality

- Displayed real-time reservations and eliminated page reloads for an improved UI by utilizing Redux
- Created RESTful API routes for efficient data transfer of CRUD reservations and reviews
- Ensured scalable architecture to handle a growing volume of uploading and retrieving image assets by integrating Amazon Web Services S3
- Enabled seamless user experience when creating reservations and reviews by building associations across relational database tables to efficiently retrieve and manipulate data
- Validated user inputs and accurately stored reservation and review data using Active Record ORM models

Benchwarmers (MongoDB, Express.js, React/Redux, Node.js, Google Maps)

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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
- Streamlined event creation process for users by integrating Google Maps API, allowing users to use point-and-click or text autocomplete features for location geocoding
- 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

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