

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 | Java | PostgreSQL | MongoDB | HTML | CSS

EDUCATION

App Academy *New York, NY, USA* 01/2023 – 05/2023

1000+ hours immersive software development course with focus on full stack web development

Virginia Tech *Blacksburg, VA, USA* 08/2014 – 05/2017

Bachelor of Science in Finance and Management

EXPERIENCE

App Academy *Remote, USA - Part-time* 06/2023 - Present

Software Engineer Assistant

- Conduct thorough code reviews for 100+ students to debug and optimize their personal projects
- Enhance student skills in whiteboard coding, pseudo-coding, and problem-solving by conducting technical assessments

New Oriental Education *Shanghai, China* 10/2020 – 05/2022

English as a Second Language Teacher

- Improved student's pronunciation, grammar, and vocabulary, resulting in 98% of students passing all tests
- Consistently improved presentation method, resulting in being the only teacher who required no training
- Organized and presented company material to classes of 10 – 15 students in an efficient manner that was later used by other teachers as well

Accenture *Arlington, VA, USA* 09/2017 – 09/2019

Management Consulting Senior Analyst

- Built and designed web application tool used by 1000+ employees to appropriately format, capture, and analyze client input data
- Collaborated with clients to gather user-story information to optimize UI/UX, eliminating possible input errors by users
- 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, Bootstrap*) [Live](#) • [GitHub](#)

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*) [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
- 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