

# ZAHİ AHMED

## Full-Stack Software Engineer

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## SKILLS

Ruby, Ruby on Rails, JavaScript, React.js, Redux, Vue, HTML, CSS, Python, SQL, PSQL, MongoDB, Express.js, Node.js, Java, C++

## EDUCATION

Web Development - App Academy

March 2023

- Rigorous 1000-hour Rails and JS Full Stack Software Development course with < 3% acceptance rate.

Bachelors in Computer Science - City University of New York, Queens College

January 2021

## EXPERIENCE

Software Developer - AI Trainer (Contract, Remote)

June 2024 - Present

Outlier

Collaborated on training AI models to enhance coding generation capabilities.

- Solved diverse coding challenges by writing efficient code leveraging expertise in Java, JavaScript, and Python.
- Assessed the quality of AI-generated code and provided actionable feedback to improve model output.
- Designed and executed comprehensive test cases to verify the functionality and efficiency of code.
- Engaged in continuous learning and adaptation to new coding technologies and methodologies such as Django and Flask.

## PROJECTS

Chaos (Rails, ReactJS/Redux, PostgreSQL, CSS)

<https://github.com/ZahiAhmed/Chaos>

A full-stack clone of Discord, allows users to connect with each other via clubs.

- Integrated user authentication, protection against CSRF and session tokens for error handling and enhanced security.
- Coded admin and non-admin privileges for clubs, ensuring smooth user experience and optimal functionality.
- Developed an interactive saved chat feature between users in a given club using Action Cable as a WebSocket framework.
- Designed a friend request feature, allowing users to search for other users and send, accept, or reject friend requests.

Tacticspedia (JavaScript, HTML, Sass)

<https://github.com/ZahiAhmed/Tacticspedia>

A single-page interactive encyclopedia application for one of Tencents' products.

- Implemented 2 search bars in VanillaJS to enable seamless filtering of data types, enhancing user experience.
- Utilized Chart.js library to dynamically render graphs, ensuring clean and precise data visualization for 40+ characters.
- Created collapsible and expandable tabs on page using SCSS, enhancing the user interface with a clean and intuitive design.
- Processed and parsed API responses from an external API using Fetch API to extract relevant data to display and manipulate.

The Box (MongoDB/Mongoose, Express, React.js/Redux, Node)

<https://github.com/junjiequ1459/TheBox>

A MERN stack team project to connect users in lobbies to interact with each other and play trivia games.

- Generated user lobbies utilizing socket.io to manipulate websockets as backend lead with lobby hosts.
- Implemented user profiles using Express which includes a match history plus the overall win percentage.
- Operated as the team's version control manager, administered a combined total of ~100 pull requests and merge conflicts.
- Facilitated daily 4-member team standup meetings, monitoring progress and delegating tasks.

## HACKATHONS

App Academy Accessibility Hackathon (React, HTML, CSS)

January 2024 - February 2024

<https://github.com/joeysui1/Hackathon>

Crafted a tailored website for CP Advancing Imaging

- Implemented dark mode feature for enhanced visual comfort and user customization.
- Integrated text-to-speech and language switcher functionalities across all pages, improving accessibility and user interaction.