

Alex Barbosa

Software Engineer

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OBJECTIVE

I am a software engineer who is dedicated and hardworking; my main tools are React, JavaScript, and PostgreSQL. Each day, I strive to provide the best and optimal solution for every problem I encounter. With a background in IT, one of my strengths as a developer is my ability to approach solutions with patience, precision, and methodical debugging.

SKILLS

Frontend: JavaScript, React.js(functional component based), Redux, Vue.js, HTML, CSS,

Backend: Node.js, MongoDB, Mongoose, Express, PostgreSQL, Sequelize, SQL, Django, JsonWebToken

Soft-skills: Information Technology, Debugging, HelpDesk, Hardware Deployment, Googling, Github, VSCode

Operating Systems: Windows, macOS, Linux (ubuntu, ubuntuServer)

PROJECTS

Draw! | React, Javascript Canvas, PostGresql, Express, Sequelize, Node.js May 2022

- Collaborative, fully functioning drawing app.
- Featuring full JWT authentication, User accounts, a feed displaying everyone's creation as well as profile pages displaying others drawings.
- Canvas was used to build the main component, giving the user draw capabilities. React was used to control the state of the user logged in as well as control some functionality of the draw app. PostgreSQL, Express, and Sequelize were used to build full CRUD and the backend.

TravelBag | PostGresql, Express, Sequelize, React, and Node.js April 2022

- Social network built on the PERN stack. Featured with JWT authentication and a social network of followers and likes.
- Collaborated with a team of 3 software developers in a 1-week sprint.
- Using the following technologies, PostGresql, Express, Sequelize, React, and Node.js, Full CRUD (create, read, update, delete)

Archimagirus | MongoDB, Express, React, and Node.js April 2022

- No-nonsense Cookbook website, complete with pictures and comments and user accounts
- My first full stack MERN stack app. MongoDB, Express, React, and Node.js. Full CRUD (create, read, update, delete)

Polygon Destroyer | Vanilla JavaScript, HTML, CSS March 2022

- Video game clone of the classic game Asteroid featuring the canvas and sound.
- Built with vanilla JavaScript, HTML, CSS

RELEVANT EXPERIENCE

IT Tax Associate, CitiGroup | New York, NY May 2013 - January 2022

- Processed, merged, and filed 100+ 3rd party prepared federal tax returns each year

- Collaborated with a cross-functional team to create Adobe PDF Schemas and Blueprints for state tax filings alleviating tax preparers workload
- Developed multifaceted solutions for filing amended State returns with Microsoft Access and Excel to streamline domestic tax filings, saving ~\$1.5 million a year.

Computer Technician, Carmel Central School District | Carmel, NY June 2007 - June 2009

- Properly diagnosed and fixed hundreds of desktops suffering from viruses and malware.
- Successfully installed 100's of desktops throughout the school district. Delivering computer access to over 2000 students and faculty
- Installed Cat5e cable throughout all schools in the school district, ensuring consistent internet access.

EDUCATION

General Assembly, Software Engineering Immersive May 2022

Full-stack software engineering immersive student in an intensive, 12-week, 450+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies. Developed a portfolio of individual and group projects.

Rensselaer Polytechnic Institute

Graduated May 2013

Bachelor of Science - B.S. Information Technology and Web Science