

# John Arocha

Software Developer

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I'm a seasoned software engineer adept at solving complex problems, specializing as a Full Stack Engineer with extensive experience in various Front-End frameworks and tech stacks. My background also includes building back-ends from scratch and prior work as a 3D Artist focused on creating ads and engineering/designing products. This dual experience has given me valuable insights into user interactions with technology, both physically and psychologically. Now, I'm eager to leverage my artistic background in software development to create intuitive and impactful software solutions.

## **SKILLS**

**Languages** - JavaScript/ES6, Python, C#, C++, Html, CSS, SQL, JSON, EJS, DTL, JSX, GLSL | **Database** - Postgres, MongoDB, mySQL | **Libraries and Frameworks** - Three.js, React, Express.js, Django, JQuery, Bootstrap, Materialize, Node.js  
**Other** - Linux, Windows, Rest Routing, Restful API, DevOps, Teamwork, JSON, API, Git, MERN stack, OnShape(AutoCAD Alt)

## **PROFESSIONAL EXPERIENCE**

**Software Engineer, AI Model Trainer, Outlier | Contract March 2024- Present**

- I create training data for advanced AI language models, refining coding capabilities and addressing diverse technical challenges.
- Evaluate AI-generated code for clarity and quality, offering detailed human-readable summaries and ensuring efficiency through rigorous test case development.
- Engage in a wide range of projects, from optimizing Python snippets to developing comprehensive applications integrated with AI-driven technologies, and writing testable, scalable code in Javascript, C++, C#

**Volunteer Software Engineer, Code the Dream | Remote March 2024- Present**

- Provides hands-on guidance and support in programming languages such as JavaScript, Python, and C languages, as well as frameworks such as React.js, Node.js, and Express.js and software development best practices.
- Facilitated learning experiences for aspiring software engineers through mentorship, workshops, and 1 on 1 instruction.

**Software Engineer / 3D Generalist / Owner, LimeLight Renders [3D Portfolio](#) | Remote January 2021- Present**

- Developed websites and contributed to existing applications using various frameworks on a contractual basis.
- Proficiency in creating detailed and accurate 3D models using software such as Marmoset, Adobe Products, and Blender.

**Chief Marketing Officer for Field Rep, Northwestern Mutual | Part Time / Remote April 2022- Present**

- Created a luxury client experience by providing a client-focused relationship which included gifting, communication, and converting those relationships into referrals.
- Executed targeted lead generation, complemented by effective follow-up calls and emails for my insurance agent
- Created a curated list of potential clients using AI and relational data to help my agent procure more sales.

## **SOFTWARE DEVELOPMENT PROJECTS**

**Portfolio | Three.js/React/React Three Fiber/Vite/EJS/Node.js [Link](#)**

- Employed R3F, Drei, and @react-three/postprocessing for a 3D retro room experience. I made all the models and textures for the interactive elements like the vintage desktop, CRT monitor, and functional retro terminal.
- Integrated handmade mouse-controlled camera controls for exploration, enhancing user engagement in the virtual environment..
- Demonstrated proficiency in React to create a cohesive 3D environment and interactive terminal, fit with commands.
- Showcased expertise in combining React libraries to craft innovative and engaging web experiences.

**Handshake | MongoDB/Express/React/Node [Link](#)**

- Utilized the MERN stack (MongoDB, Express, React, Node.js) to create a Full-Stack app in just 4 days, that utilized a 3rd party API to scrape job listing from all over the internet.
- Implemented advanced filtering options to front end to customize job searches based on criteria like remote work, job type, etc.
- Applied responsive design principles for cross-device compatibility, with a user-first approach.
- Created a robust backend using Express.js to handle data, user authentication, MongoDB access, and API communication.
- Crafted an intuitive user interface for dynamic job exploration through the creation of a React.js front-end.

**Cocktail's | Python/HTML/CSS/React/Django/PostgreSQL [Link](#)**

- Implemented PostgreSQL to drive the back end functionality, ensuring a solid and reliable foundation.
- Employed the Python programming language, showcasing a proficient command of its syntax, data structures, and object-oriented principles.
- Using my extensive experience in developing web applications using the Django framework, I demonstrated expertise in model-view-controller (MVC) architecture.
- Skillful in designing and interacting with relational databases, particularly PostgreSQL, including database schema design and query optimization.
- Integrated APIs seamlessly to dynamically showcase product design across the site.

## **EDUCATION**

### **GENERAL ASSEMBLY**

**Software Engineering Immersive** Full-stack software engineering immersive student in an intensive, 12-week, 500+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, computer science, dom manipulation, data modeling, responsive engineering, debugging, basic aws, testing, technical documentation, and team collaboration strategies. Developed a portfolio of individual and group projects.