

# John Arocha

Software Developer

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I'm a seasoned software engineer with a knack for solving complex problems. With previous experience as a 3D Artist, I specialized in creating ads and engineering/designing products. This role provided insights into how people interact with technology, both physically and psychologically. Now, I'm eager to transition my skills to software development. I want to apply my artistic background to contribute to creating software that not only functions well, but also resonates with users on a deeper level.

## SKILLS

**Languages** - Java, JavaScript/ES6, Python, C#, Html, CSS, SQL, JSON, Typescript, EJS, DTL, JSX, GLSL | **Database** - Postgres, Mongo, 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)

## 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.

## PROFESSIONAL EXPERIENCE

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

- Facilitated learning experiences for aspiring software engineers through mentorship, workshops, and 1 on 1 instruction.
- 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.

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

- Proficient in creating detailed and accurate 3D models using software such as Marmoset, Adobe Products, and Blender.
- Skilled in applying textures and materials to enhance the realism or stylized appearance of 3D assets.

**Chief Marketing Officer**, Northwestern Mutual| New York, NY/Remote **April 2018- 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.

## EDUCATION

**GENERAL ASSEMBLY | REMOTE**

**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.