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 - JavaScript/ES6, Html, CSS, Python, C#, 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

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.

Weather Application | Javascript/HTML/CSS/Express/EJS/MongoDB/Axios/Node.js Link
- Utilized the MEN stack (MongoDB, Express, Node.js) to build a full stack application with full create, read, update, delete (RUD) operations hitting all RESTful API calls.
- Utilized MongoDB for flexible NoSQL storage, dynamic schema, efficient indexing, and seamless scalability.
- Used a mobile-first approach and styled the application using Styled-Components and CSS3 with flexbox layouts and bootstrap.
- Harnessed the efficiency of Node.js for building scalable and asynchronous server-side applications.

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.