John Lopez
Full Stack Software Engineer
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Full-stack Software Engineer, delivering solutions with a strong ability to analyze data, customer insights, and pain points to create products and tools that solve real-world problems. Ability to build both front-end and back-end solutions, collaborating with cross-functional teams while having strength in development with full autonomy. Excellent communicator and collaborator driving ideation and prioritization with full buy-in from stakeholders and team members, keeping requirements and project scope of work the focal point.

PROFESSIONAL EXPERIENCE

Full Stack Software Engineer, Staying Alive CPR NY, NY   February 2024 - Present
- Implemented full-stack web applications in a React environment, working cross-functionally with product managers, designers, and developers to ensure successful product launches.
- Partnered with business analysts to capture and translate business requirements into user stories.
- Conducted stakeholder interviews and identified client pain points around the current gaps in the user experience.
- Leveraged design resources to develop wireframes and prototypes to help guide engineering efforts.
- Communicated plans, progress, and impact to internal and external stakeholders, incorporating feedback where appropriate.

Software Engineer Fellow, General Assembly | NY, NY   January 2024 - July 2024
- Led web app development, integrating front-end and back-end systems for improved user experience for over 4+ projects.
- Utilized React/HTML/CSS to create scalable, responsive designs, ensuring cross-platform compatibility.
- Streamlined API and database integration (SQL, NoSQL, MongoDB), boosting code efficiency and data management.

Quality Assurance Engineer, New Horizon | Valley Stream, NY   June 2021 - January 2024
- Collaborated with the Department of Mental Health to ensure high care and service aligned with the agency's mission.
- Performed detailed audits of patients' charts via EMR, ensuring compliance and data accuracy.
- Used SQL databases for report generation, improving chart review times and increasing efficiency by 50% over manual processes.
- Improved client data management with SQL allowing comprehensive data insights for each patient chart.
- Provided coaching to healthcare providers, enhancing client care through data-led feedback and training.

Front End Developer, Compres2Impress | NY, NY   January 2019 - June 2021
- Developed and optimized the user interface enhancing scheduling CPR classes with the American Red Cross, resulting in a 40% increase in user engagement and a 30% uptick in class registrations.
- Implemented advanced SEO strategies significantly boosting search engine rankings and increasing organic traffic by over 50%.
- Integrated responsive web design techniques to ensure seamless functionality across various devices, improving mobile user accessibility by 25% and contributing to higher conversion rates.
- Collaborated closely with cross-functional teams to align the website's design with company branding and compliance standards, ensuring a cohesive and professional online presence that accurately represents the company's mission.

Manager of Programs and Facilities, Compres2Impress | NY, NY   February 2019 - June 2021
- Oversaw budget reallocations, achieving cost savings by 10% and optimizing labor, inventory, and technology spending.
- Cultivated strong relationships with corporate clients, schools, healthcare providers, and community organizations.
- Implemented online registration and training management systems, improving efficiency and accessibility for clients.
- Managed new hire onboarding with training, mentoring, and documentation, ensuring smooth team integration.
- Developed and implemented employee assignment SOPs, using skills and knowledge transfer statistics and data to ensure each team member was assigned to the appropriate location and function.

SOFTWARE DEVELOPMENT PROJECTS

AI & Front End Engineer, Google Hackathon | Google | April 2024 | *React, NodeJS, Gemini Pro, Django, Python, JavaScript,*
Developed 'Touch Stone,' an innovative app designed to make learning Braille accessible and engaging through interactive quizzes and a user-friendly interface, enhancing communication for those experiencing vision loss and others interested in Braille literacy.

- Led the AI development team in utilizing Gemini AI technology to train models that accurately translate text into Braille, enhancing the app's educational impact.
- Developed and launched a search bar function to receive user inputs and data for the Gemini Pro AI technology to translate and provide a visual image and a detailed text-based explanation.
- Collaborated closely with UX/UI Designers and a team of 5 developers to refine front-end wireframes and functionality, ensuring the final product perfectly aligned with design specifications and user requirements.

Software Engineer, Hackathon Winner, Hackswift | March 2024 | *React, NodeJS, CSS, Express, React-Bootstrap, Mongoose*
Developed a personalized, versatile logger application named "Jot" designed to cater to Gen Z's unique preferences for tracking mental health, social experiences, and daily events.
- Utilized MongoDB, Express, React, and Node.js to create a user-friendly platform.
- Our project stood out due to its innovative approach to blending a trend observed on platforms like TikTok, where Gen Z users frequently log important moments.

Full Stack Software Engineer, Calm Space | *React, NodeJS, CSS, Express, React-Bootstrap, Mongoose*
Developed a charting system (EMR) for patients, therapists, and QA specialists; established the ability to communicate with different colleagues across the patient chart and improve healthcare outcomes, approval workflows, and documentation.
- Created a dual-user platform for therapist and QA specialist, facilitating patient profile, diagnosis, and note management.
- Enhanced transparency across approvals and status updates for team members by improving the user interface (UI).
- Implemented a Mongoose-based database, ensuring secure and efficient storage of user and patient data.

Full Stack Software Engineer, Just Comedy | *React, NodeJS, MUI, Express, CSS, Mongoose*
Developed a personality test through a user-focused app to match stand-up comedian preferences with an autogenerated selection based on the user data and algorithms from a curated database of content.
- Built a detailed comedian database, cataloging unique traits, and performances, filling API gaps, and diversifying user content.
- Created an algorithm recommending comedians based on user responses, boosting content relevance and customization.
- Designed an intuitive user interface, facilitating easy navigation and a seamless, engaging comedy discovery experience.

Front End Developer, Road Runner **|** *React, Python, Mapbox API, Django, CSS*
Developed a social media application specifically for runners, offering an intuitive platform where users can easily track their runs and connect with fellow enthusiasts.
- Implemented personalized dashboards for users to view detailed statistics about their runs, including pace, distance, and time.
- Integrated Mapbox API to capture real-time locations and generate still images of runners' paths, enhancing user engagement by visually documenting their routes.

DEGREE & CERTIFICATIONS

AWS Certified Cloud Practitioner (CLF-C02) - Amazon Web Services (AWS) Certificate: September 2024
Knowledge of core AWS services uses, and basic AWS architecture best practices; proficiency in developing, deploying, and debugging cloud-based applications using AWS.

Software Engineer, Immersive Program, General Assembly   January 2024 - April 2024
Full-stack software engineering immersive program, 12-week, 500+ hour program focused on product development and project management across the entire development lifecycle. Conducted object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies. Developed a portfolio of individual and group projects.

Machine Learning Course, Stedu Association   March 2024

Bachelors in Sociology, Queens College, Flushing, NY   2014 - 2018
Minor in Psychology and Anthropology

SKILLS
Languages - JavaScript, HTML, CSS, Python, JSON, TypeScript, EJS, Java
Database - MongoDB, Mongoose SQL, NoSQL, Graph QL, MySQL, PostgresSQL
Testing- Jest, JUnit, PyTest, Selenium
Libraries and Frameworks - React, Next JS, Bootstrap, Sass, Node.js, Express.js, Django, Flask, MUI, Jquery, Semantic UI, Bulma
Technology & Skills - RESTful Routing, JSON API, Git, GitHub, Jira