

# 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 2022 - 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 - July 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, PostgreSQL

**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