

# 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 scalable 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

#### **Founding Software Engineer**, WERQ AI | LA

August 2024 - Present

- **Developed** full-stack features from the ground up in a **Next.js** and **NestJS** environment, implementing industry-standard code to ensure **scalability** and **robustness** in a fast-paced startup setting.
- **Leveraged AI and prompt engineering** to parse thousands of job postings scraped via Puppeteer, optimizing **data extraction pipelines** for enhanced job market analysis.
- **Improved** data processing speed by **30%** by **leading** API integrations and SQL database optimizations, enhancing platform performance and scalability.
- **Designed** custom algorithms using AI models to provide **job recommendations** and data-driven insights, resulting in a **25% increase in user engagement**.

#### **Full Stack Software Engineer**, Staying Alive CPR NY, NY

February 2024 - August 2024

- Implemented full-stack web applications in a React environment, **working cross-functionally** with product managers, designers, and developers to ensure successful launch of **3 products**.
- 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.

#### **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.
- **Conducted 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 2023

- **Optimized the user interface** enhancing scheduling, for 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.

### SKILLS

**Languages** - JavaScript, HTML, CSS, Python, JSON, TypeScript, EJS, Java,

**Database** - MongoDB, Mongoose, SQL, NoSQL, GraphQL, MySQL, Postgres

**Libraries and Frameworks** - React, Next JS, Bootstrap, Sass, Node.js, Express.js, Django, Flask, MUI, JQuery, Semantic UI, Nest JS

**Technology & Skills** - RESTful Routing, JSON API, Git, GitHub, Jira, Asana, LangChain, Clerk, Zustand, Zod, Jest, JUnit, PyTest,

Selenium, TYPE ORM

### DEGREE & CERTIFICATIONS

**Software Engineer, Immersive Program**, General Assembly

January 2024 - April 2024

**Machine Learning Course**, Stedu Association

March 2024

**Bachelors in Sociology**, Queens College, Flushing, NY

2014 - 2018