

Omar Elnagdy

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EDUCATION

Staten Island, NY ~ Cell: (347)-429-2283

The City College of New York (Grove School of Engineering)

August 2015 - December 2019

Major: Bachelor of Science in Computer Science | Minor: Mathematics

New York, NY

TECHNICAL SKILLS

Core Languages: JavaScript, Java, Python

Web Development: React, TypeScript, Next.js, HTML5, CSS, Node.js, GoLang, Tailwind, React Native, Express, Rails

Database: MySQL, MongoDB, Firebase, PostgreSQL, Prisma, GraphQL

Libraries: jQuery, React Bootstrap, Carbon, Material UI, Webpack, Formik, Storybook, Redux

Cloud Platforms/Testing Tools: OpenShift, Docker, IBM Cloud, Jest, React Testing Library, Google Cloud

Certifications: [File Processing in Python](#), [React - The Complete Guide 2024 \(incl. React Router & Redux\)](#)

Other/AI: Algorithms & Data Structures, OpenAI, PostMan, Watson Chatbot, Git, JIRA, Figma, Vercel, Framer Motion

Leadership Skills: Coached and led a 3rd grade boys basketball team to win the Championships at the CYO.

EXPERIENCE [6+ Years]

Design Manager (Contract) ~ New York, NY

Senior Full Stack Engineer

October 2024 - January 2025

- Led the development of the client portal, establishing its architecture and building efficient, reusable components with Next.js, TypeScript, and React.
- Spearheaded mobile and desktop design implementations, ensuring responsive and intuitive user experiences across devices, focusing on creating reusable components using Storybook.
- Integrated Docker for development, Framer Motion for animations, and managed AWS deployments for scalable production.

Fringe (Contract) ~ Richmond, Virginia

Senior Frontend Engineer

May 2024 - October 2024

- Built and optimized the Marketplace app with Next.js, TypeScript, React, and Framer Motion, increasing engagement by 30%. Integrated Salesforce REST APIs for dynamic data presentation and implemented Google Cloud Analytics to track user behavior and enhance decision-making.
- Collaborated closely with product teams and stakeholders, including design, research, and product managers, leveraging technologies like Salesforce and Netlify to drive cross-organizational goals and enhance the overall user experience.
- Mentored front-end engineers and conducted code reviews, focusing on performance, quality, and developer experience.

Doran Jones (Contract) ~ New York, NY

Senior Frontend Engineer

May 2023 - May 2024

- Developed an advanced component library for TransUnion, streamlining new feature development by 20%.
- Employed React, TypeScript, and Storybook, alongside sophisticated React testing tools, to create an efficient framework, leading to a 30% boost in development productivity at TransUnion.
- Established automated testing procedures using GitHub Actions, guaranteeing thorough testing of pull requests and improving code quality and reliability.

IBM (Full-Time) ~ Southbury, CT

Software Engineer/Full Stack Engineer

May 2019 - May 2023

- Contributed to modernizing IBM's Global Ledger SaaS by developing and enhancing front-end interfaces with React, TypeScript, HTML5, and CSS3, and scalable backend services using Node.js, Java, Spring Boot, and MySQL. This modernization resulted in a 40% reduction in accountant workload from the legacy system.
- Managed IBM DB2 and PostgreSQL databases, Docker for containerization, and version control with Git and GitHub to support the transition to cloud-native solutions, further optimizing accountant efficiency by 30%.
- Implemented an AI-powered chatbot using IBM Watson and Node.js, integrating JWT-based user authentication. This enhanced user interactions and support features, reducing support emails related to frequently asked questions by 90%.

TECHNICAL PROJECTS (More Projects → github.com/omar212)

Everything. AI in One App

May 2024

- GeniusAI, built with Next.js 13 and a robust tech stack, uses Open AI and Replicate AI to create high-quality images, music, videos, code, and text through advanced machine learning algorithms.