

# Mudassar Memon

## FULL STACK SOFTWARE ENGINEER

mudassar95memon@gmail.com > 631-645-1065 > [LinkedIn](#) > [Github](#) > [Portfolio](#) > Port Washington, NY

---

Civil Engineer turned Software Engineer. Over 5 years of expertise in construction project management. Passionate about leveraging my engineering and project management background to implement software solutions that address real-world challenges, within the construction sector and beyond.

**LANGUAGES:** React-Redux, JavaScript, Ruby, Python, SQL, HTML, CSS      **DATABASES:** PostgreSQL, MongoDB, SQLite  
**FRAMEWORKS:** Ruby on Rails, Express.js, Node.js      **TOOLS:** AWS, ActiveRecord, Mongoose, JBuilder, Git  
**OTHER:** Project Management, Test Driven Development (TDD), Object Oriented Programming (OOP), Pair Programming

## WORK EXPERIENCE

---

**Memolope LLC** >> *Full Stack Web Developer* >> *New York, NY* **October 2023 – present**

- Developed HVAC contractor web application using **JavaScript**, **Express.js**, **Bootstrap**; enhanced engagement
- Implemented nodemailer's SMTP for automated booking and subscription services; streamlined communications
- Created a responsive frontend with advanced visual effects, improving **UI/UX** and customer interaction

**EW Howell LLC** >> *Project Manager* >> *New York, NY* **May 2016 – May 2022**

- Managed \$60M-\$80M NYC school construction projects, overseeing full project lifecycle
- Led construction management tasks, including drawing interpretation, leadership and oversight of 100+ personnel
- Ensured adherence to safety, LEED, and QA best practices, handling RFIs, contracts, bids, and project closeouts

## PROJECT EXPERIENCE

---

**Officebook** >> React-Redux, JavaScript, Ruby, Rails, ActiveRecord, PostgreSQL, AWS, JBuilder, BCrypt, HTML, CSS [GitHub](#) > [Live](#)  
*A full stack web application clone of Facebook with a dynamic user interface and a theme inspired by NBC's, 'The Office'.*

- Implemented robust backend using **Ruby on Rails**, **PostgreSQL**, and **JBuilder** to allow seamless integration with frontend
- Created standardized and predictable routes in adherence to **RESTful API** principles to execute associated **CRUD** actions
- Incorporated a highly secure backend using **BCrypt** password encryption, backend validations, constraints and pre-authorizations, **CSRF**, and session-based authentication with the ability to conveniently persist login status
- Designed **React** frontend, emphasizing **DRY**, modular, and reusable code, and efficient state management with **Redux**

**TuneUp** >> React-Redux, JavaScript, Express.js, Node.js, AWS, MongoDB, Mongoose, Passport.js, HTML, CSS [GitHub](#) > [Live](#)  
*A digital hub designed for musicians seeking local counterparts to form bands or engage in jam sessions.*

- Engineered robust backend using **Express.js** framework and various tools, such as **express-validator**, **express-router**, in addition to **MongoDB** and **mongoose** for data storage and manipulation
- Secured backend using **Passport.js** and **JWT**-based authentication to provide a safe and reliable user experience
- Integrated a dynamic **React** frontend, with **Redux** state management and **Google Maps API** to provide a vibrant and engaging experience for users to create, manage, and search events based on proximity with the ability to sort by date
- Streamlined development process and enhanced team collaboration by leveraging my project management expertise, maintaining clear communication, excellent **git** workflow with a team of 5 engineers and ensuring timely delivery

**Binary Search Tree Visualizer** >> JavaScript, HTML, CSS [GitHub](#) > [Live](#)  
*An interactive visual demo aimed at teaching complex data structures and algorithms in a simple way.*

- Built single-page web application using **JavaScript** and **HTML** canvas to provide a visual sandbox learning environment

## EDUCATION

---

**App Academy** >> *Full Stack Software Engineer* >> *New York, NY* **October 2023**

**Stony Brook University** >> *Bachelor of Science in Civil Engineering* >> *Stony Brook, NY* **May 2017**