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. Proficient in React-Redux, JavaScript, Python, Ruby, Rails, SQL, and more, with an ambition to lead technological integrations in sectors ripe for digital enhancement.

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

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

WORK EXPERIENCE

Memelope LLC >> *Full Stack Web Developer* >> *New York, NY*   **May 2020– present**
  - Developed **MERN** full stack web applications for various local businesses as freelance contractor

EW Howell LLC >> *Project Manager* >> *New York, NY*   **May 2016 – May 2022**
  - Managed construction of NYCSCA schools, including PS 338, PS 419, and PS 464, with project budgets from $60M-$80M
  - Proficient in various aspects of construction management, from interpreting construction drawings and specifications to leading subcontractors and overseeing up to 100+ personnel on-site daily.
  - Fulfilled construction processes, including RFIs, contract negotiations, bids and estimations, change orders and payments, and project closeouts. Proficient in material procurement, safety standards, QAQC, and LEED guidelines.

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**