## Mudassar Memon FULL STACK SOFTWARE ENGINEER

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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 a dynamic HVAC web application using JavaScript, Express.js, and Bootstrap, integrated with a
  client-provided HTML template; enhanced user navigation and engagement through interactive jQuery plugins like
  carousels and pagepilling
- Streamlined communication and improved operational efficiency by implementing Nodemailer's **SMTP** for automated email booking and newsletter subscription services, enhancing client-business interactions
- Engineered a responsive **UI** and enhanced **UX** by creating advanced JavaScript visual effects; showcased interactive equipment diagrams on heating and cooling pages to improve user engagement and understanding

**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

A digital hub designed for musicians seeking local counterparts to form bands or engage in jam sessions.

GitHub > Live

- 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

## **EDUCATION**

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

October 2023