

Mehmet Kaan Karadag

+1 (647) 554-6296 | kenkaraa@gmail.com | [LinkedIn](#) | [Portfolio](#)

As a highly motivated and collaborative Full Stack React Developer with a background in Mechanical Engineering, I have a strong background in frontend & backend product development. With a solid understanding of SQL & MongoDB databases and modern technologies such as MERN stack, React, Redux I can develop efficient and scalable web applications working independently or as a part of an agile/scrum team. Passionate & decision making, I'm constantly seeking new challenges and enjoy collaborating with cross-functional teams to achieve project goals.

TECHNICAL SKILLS

Languages/databases: JavaScript/TypeScript, ES6, Python, HTML, CSS3, jQuery, MongoDB, PostgreSQL.

Libraries/Frameworks: React.js, Redux, Node.js, Express.js, Django, Mongoose.

Other Technologies: Git, GitHub, Npm, Visual Studio, Unit Test, Figma, Postman, JSON, AJAX, REST APIs.

EXPERIENCE

R&D Engineer – Mechanical Design (*IQ Elevators Inc., Toronto*)

11/2019 — 12/2022

- Developed new arrangements in the design project to increase the overall profit of the company.
- Worked with multiple lines of services to complete mechanical projects from planning to completion.

Design Engineer - R&D (*Unlu Agriculture, Izmir*)

12/2017 — 11/2019

- An automation system was established considering the annual production targets of the company.
- Annual production was increased 2.5 times with fewer physical workers.
- Created and designed work flow and all automation line systems from the first step of the production to the final product.
- A special coupling machine for Russian agricultural machinery was designed in cooperation with the Russian government.
- Improving the design, performance and efficiency of existing products.
- Created and designed work flow and all automation line systems from the first step of the production to the final product.
- Coordination and management of prototype design, production and assembly departments were carried out.

PROJECTS

Time Capsule Social Media App (MERN Stack)

link: <https://timecapsule.herokuapp.com/>

- Developed a social media app that allows users to share, delete or update their posts.
- Cloudinary cloud service was utilized to store user data, and a linkage was established between Cloudinary and MongoDB.
- Created AJAX API endpoints to fetch data based on user interactions to ensure smooth UI and UX.
- Implemented JWT User Authentication, React Hooks and Material UI. Used technologies: MongoDB, Express, Reactjs, Nodejs.

eAuctions Website (Python/Django/SQL)

link: <https://github.com/scaev/eAuctions>

- Developed an application which allows users to create accounts, post an auction, bid on items, and view the bidding history for each item.
- Worked Collaboratively with UX designers to take a project from concept to end state.
- Implemented a bid feature to showcase CRUD operations.

Event Library (Node/Express/MongoDB)

link: <https://github.com/scaev/EventLibrary>

- Full-stack app, connects people passionate about events and plan out their events, has Google OAuth & Authorization. Used Express (on back-end), JavaScript, MongoDB, Node.js and CSS for responsive user experience design.

EDUCATION

Software engineering immersive (*General Assembly*)

12/2022 – 03/2023

Full Stack development 500+ hours program focused on engineering practices, software architecture, MVC, development life cycle, object-oriented programming, JS frameworks, agile development methodologies.

Bachelor of Mechanical Engineering (*Faculty of Technology - SDU University*)

09/2012 – 05/2016

Relevant coursework: Thermodynamics, Mechanics of Materials, Machine Design, Materials Science, Dynamics and Control, Heat Transfer, Fluid Mechanics, Manufacturing Processes, Engineering Analysis and Computation, Mechatronics and Robotics, Engineering Design

CERTIFICATIONS

Front-end web development (*Udemy*)

07/2022

Course covers modern design and development practices, HTML, JavaScript, Animation, UI/UX, Responsive design.