

## PROJECTS

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### Full Stack

**Messaging App** (🔗Live | 📁Backend, 📁Frontend) *React, REST API, Node.js, Express, PSQL, Prisma, Passport, JWT*

Web-based messaging app where authenticated users can chat one-one by sending and receiving messages and files.

- Designed database models with Prisma for managing users, messages, and profiles, improving data access.
- Created REST API backend for handling user authentication, messaging, and profile updates, ensuring efficient data flow.
- Developed message sending feature enabling users to send messages and files to other users, enhancing communication.

**File Uploader** (🔗Live | 📁Repo) *Node.js, Express, PSQL, Passport, Prisma, EJS, Cloudinary*

Cloud storage application enabling authenticated users to upload files and organize them into folders.

- Created file storage models in Prisma, enabling users to upload and manage files with persistent metadata.
- Enabled users to CRUD folders, set up routes and database interactions for managing them.
- Integrated Cloudinary for file storage and saved file URLs in the database after upload.

**Blog API** (📁Repo) *REST API, JWT, Prisma,*

An API-only backend for blogging platforms, featuring two front-ends: one for readers, and another for authors.

- Provided endpoints for CRUDing posts and comments, with logical nesting for resource-specific routes.
- Integrated JWT-based authentication for secure login and access control, ensuring some endpoints are protected.
- Deployed the API with, ensuring external accessibility for frontend clients. (Sample: [Viewing Site](#), [Authoring Site](#))

### React

**Shopping Cart** (🔗Live | 📁Repo) *React, React Router, RTL, Vitest, CSS Modules, Vite*

A web-based e-commerce app featuring essential functionalities, including product display, cart management, and checkout.

- Implemented React Router for navigation between home and shop pages, ensuring smooth routing.
- Fetched products from FakeStore API and displayed them with dynamic cart updates using state.
- Tested app thoroughly with React Testing Library, focusing on routing, product display, and cart functionality.

**CV Application** (🔗Live | 📁Repo) *React, Vite*

A dynamic web app that allows users to input their information and generates a live CV with an option to download the PDF.

- Developed a React app with components for sections like general info, education, and experience.
- Implemented state and props for dynamic editing and submission of CV details, including real-time updates.
- Added functionality to download CV as a PDF, ensuring content is formatted and downloadable.

### JavaScript

**Battleship** (🔗Live | 📁Repo) *JavaScript (ES6), Jest, Webpack, NPM, OOP, TDD*

Browser-based Battleship game built with HTML, CSS, and JavaScript, playable against the computer.

- Designed modular factories for ships, gameboards, and players, ensuring clear separation of concerns.
- Developed turn-based gameplay logic with event-driven DOM updates for real-time board rendering.
- Tested core functionality, including ship placement, attacks, and win conditions, ensuring reliability.

**Todo List** (🔗Live | 📁Repo) *JavaScript (ES6), Webpack, OOP*

Todo list app built with HTML, CSS, and JavaScript, allowing users to create, organize, and manage tasks within projects.

- Built dynamic todo creation using factories, incorporating essential and customizable properties.
- Separated app logic from DOM interactions, modularizing features like todo editing and priority changes.
- Implemented localStorage for data persistence, ensuring todos and projects reload after page refresh.

**Tic Tac Toe** (🔗Live | 📁Repo) *OOP, Factories, IIFEs, JavaScript*

Web-based 2-player Tic Tac Toe game built with HTML, CSS, and JavaScript for real-time interaction.

- Designed a modular game architecture with factory functions and IIFE patterns for scalability and maintainability.
- Built core gameplay in console with win/tie checks before integrating DOM interactions.
- Implemented DOM logic for board rendering, player moves, and invalid move validation.

### HTML & CSS

**E-Shop Site** (🔗Live | 📁Repo) *Bootstrap, Responsive Design, HTML, CSS*

Responsive mockup website for an online cake shop, showcasing products and user-friendly navigation.

- Utilized Bootstrap's responsive classes to make the website adapt to multiple devices.

## SKILLS

**Frontend** : HTML5, CSS, JavaScript, Jest, React, CSS Modules, Styled Components, Material UI, Chakra UI, RTL, Vitest, Tailwind CSS, Bootstrap, Foundation, Reveal.js, p5.js, Responsive Design, Accessibility Features

**Backend** : Node.js, Express, PostgreSQL, Prisma ORM, Passport, RESTful APIs, JWT, SuperTest, EJS

**Tools** : Git, NPM, Linux, Webpack, Babel, Vite, ESLint

**Methodologies** : OOP, TDD, SOLID, Jamstack

**Soft Skills** : Communication, Collaboration, Leadership, Creativity