Dagm Zerfu

Full Stack Web Developer

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Result-oriented Web developer with a passion for condensing vast amounts of data into short stories and creating websites from the ground up. Web apps with several APIs, third-party integrations, and databases were designed and built. Able to work independently as well as collaborate with teams from various functions to simplify complex concepts. Prepared to succeed in solving tough challenges.

Skills

Languages | JavaScript, HTML, CSS, Python, TypeScript, Java
Libraries and Frameworks | React, Node.js, Express.js
Database | PostgreSQL, Sequelize ORM, MongoDB, Mongoose, ODM
Other | RESTful Routing JSON | RESTful API | GITHUB | git | Third Party APIs | Debugging

Projects

Pawtel | Responsive Web Application

(Technical Scope: JavaScript, HTML, CSS, JWT, Express.js, Node.js, MongoDB, Mongoose, Git)

- Developed a full stack web application utilizing MERN to allow users to create profiles from custom made server-side API.
- Identified and fixed 16 bugs to insure flawless end user experience.
- Created super secured full CRUD RESTful API (create, read, update, and delete) app by using Express.js, Node.js, and mongoose collaborated with JWT web token and Hashing password technic to secure customers data using JWT-decode and encode process allowing customers to use the app without worrying about their privacy and security.
- Implemented the front-end layout/ user interface using React.js framework for speed, security and best performance for user's interaction.

Ping Pong | Web Game Application

(Technical Scope: HTML, CSS, Canvas, JavaScript)

- Built a two-player online game application using aesthetic HTML/CSS and JavaScript framework with a simple and appealing style to entice consumers and ensure enjoyable user experience.
- Created 2D simulator game using HTML canvas which is made for all ages. JavaScript was used to make the canvas responsive and making the ball bouncing around the canvas area, also used keycode to control paddles up and down.

MyBookStore | Responsive Searching App

(Technical Scope: Node.js, JavaScript, Express, PostgreSQL, CSS)

- Enabled users to search, save, read, and delete (RESTful CRUD API) favorite books without compromising on privacy by designing and developing a responsive web-based application with fully functional and secure user authentication (Auth).

Messaging App | Responsive Messaging App

(Technical Scope: Node.js, JavaScript, Express, Mongo DB, React.js, Material UI, CSS)

- Designed and developed MERN Full-Stack web-based Messaging App consists of Mongo DB, Express.js, Node.js, and React.js, Auth 2 (JWT Tokens) which can be used by anyone using the app to broadcast messages to everyone and anyone.
- Full-Stack (front-end and back-end) chat app that can be up and running with just a few steps. The app Front end is built with Material UI running on top of React.js. The backend is built with express.js and Node.js. Realtime update to the user list, conversation list, and conversation message by using Pusher.js and database development.

Relevant Professional Experience

Admiral Security Services – Washington, DC   (07/2016 – 05/2021)
Security Officer
- Manage all physical security operations such as scheduling security personnel and updating senior management regarding security related concerns.
- Implement best practices, security systems, technology, and equipment which reduced safety incidents by 50%.
- Inspect all safety disturbance cases and respond to security alarms on time to ensure 100% resolution of all situations without any escalation.

Education

Bachelor of Science in Computer Engineering   Expected Graduation in 12/2022
George Mason University – Fairfax, Virginia
> *Relevant Coursework: Computer Programming, OOP, Low-Level Programming, Data Structures, Software Engineering, Computer Systems & Programming, Operating Systems, Analysis of Algorithms*

General Assembly, Software Engineering Immersive – Seattle, WA   **01/2021 – 04/2021**
> *Full-stack software engineering immersive student in an intensive, twelve-week, 450+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies. Developed a portfolio of individual and group projects.*

Associate Degree in Computer Science   12/2018
Northern Virginia Community College – Annandale, Virginia