Maria Key

Full Stack Developer

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PROFILE

Detail-oriented Full Stack Developer specializing in the MERN stack with a passion for creating applications from concept to production. Skilled in designing interfaces and developing both front-end and back-end solutions. With a strong foundation in science and mathematics, I bring a unique problem-solving approach to my projects, while continuously exploring and learning new technologies.

SKILLS

Front End: JavaScript, TypeScript, React, HTML, CSS, Next.js, Tailwind, Responsive Design, Figma, Framer

Back End: Node.js, Express, Rest API, MongoDB, JWT

Tools: Git, AWS, Postman, Redux, Jest, Auth0, Email JS

PROJECTS

Bean 🔗
A full stack platform for coffee shop discovery and reviews
- Designed and implemented a secure backend with Express and JWT tokens, ensuring robust user authentication and data security.
- Developed and maintained MongoDB schemas using Mongoose, ensuring efficient data modeling and validation for user profiles, reviews, and coffee shop details.
- Utilized AWS S3 for efficient storage and retrieval of user-uploaded images, significantly enhancing website performance and storage efficiency.
- Created a fully responsive UI using CSS and Figma for an optimal user experience across all devices.

Fridge 🔗
A full stack platform for sharing and displaying digital cards on a personalized virtual fridge
- Developed an innovative card-sharing platform using JavaScript, React, Next.js, MongoDB, and AWS S3, ensuring seamless data management and storage for user-generated cards and profiles.
- Enhanced user security and streamlined the login process by designing and integrating authentication with Google and custom credentials using NextAuth.
- Integrated a smart search feature that queries the database and provides account suggestions based on username or email input, facilitating an efficient card sharing experience.
- Designed custom illustrations using vector graphics and developed a responsive user interface with Tailwind CSS, delivering a unique and engaging user experience.

Memory Sack 🔗
A front end interactive game that challenges memory and concentration
- Created an efficient sequence generation algorithm, utilizing sorting and randomization techniques to dynamically display and expand word sequences, and implemented input validation to ensure correct replication.
- Implemented multiple categories that entertain and educate on various subjects to enhance replay value and user engagement through interactive, gamified learning.
- Designed a fully responsive user interface using vector graphics, ensuring a consistent and engaging experience across devices, and incorporating playful, visually appealing elements to attract and retain users.

EDUCATION

M.S. Chemistry   2023
Portland State University

B.S. Chemistry
University of North Texas