Matthew Mercado

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matthewmercado.dev

SKILLS

Programming/Scripting Languages: Java, JavaScript/Typescript, Python, C++, C#, Ruby, PHP, MATLAB, SQL, Go
Frameworks/Tools: React, Git, MongoDB, Amazon S3, Next.js, Tailwind, MUI, Postgres, Prisma, Redux, Vercel, Heroku
Other: UX/UI Design, HTML/CSS, SEO, Linux

EXPERIENCE

Escape This Frederick – Frederick, MD   07/2017 – Present
Manager/Web Developer
- Redesigned escapethisfrederick.com, one of Maryland's most popular escape room websites, boosting the conversion rate by 80% and reducing the bounce rate by 75%.
- Implemented Arduino programming (C++) for electronic puzzles, reducing manual reset times.
- Developed a full stack waiver web app using Next.js, React, Tailwind, Prisma, and PostgreSQL that integrates with Bookeo and Mailchimp API to increase remarketing potential 8x by extending from individuals to groups.

Box – Remote   05/2022 – 08/2022
Software Engineer Intern – Preview Team
- Developed React-based components for analytics menus, styled them using CSS/SASS, and used Redux to access the application state, improving the user experience.
- Led a project to implement dynamic meta tags for social media links within their PHP monolith, improving social media presence and driving traffic to the website.
- Developed automated QA tests and Gherkin Scripts using Cucumber and WebDriverIO to support BDD

Mount St. Mary's University – Emmitsburg, MD   01/2022 – 5/2022 | 8-2022 – 12/2022
Peer Mentor: Computer Science I & II
- Mentored CS students in Java and Python, improving their performance in complex problems and projects.
- Taught debugging and troubleshooting techniques, enhancing students' problem-solving skills.

PROJECTS

Escape Director   05/2023 – Present
Founder & Software Engineer
- Developed a MERN (MongoDB, Express.js, React, Node.js)-stack SaaS escape room management system, reducing costs at Escape This Frederick and allowing other escape room owners to make data-driven decisions.
- Built engaging front-end interface using React and Material-UI; crafted RESTful APIs with express for user authentication, managing user and content data within MongoDB and AWS S3.
- Implemented secure payment processing using Stripe API; ensured secure authorization and route protection.
- Utilized socket.io which normally uses Websockets for real-time communication with players, etc.
- Visit the project at escapedirector.com or learn more about it in my portfolio.

Portfolio Website   05/2023 – Present
- Designed a clean, responsive, and performant portfolio website using Next.js, React, Typescript, and Tailwindcss to showcase my projects, resume, and background at matthewmercado.dev

EDUCATION

Mount St. Mary's University – Emmitsburg, MD   05/2023
B.S. Computer Science
- Awards & Honors: Received: "The Mariam Award of Excellence in Computer Science", Member of Upsilon Pi Epsilon Honor Society, President's List Fall 2021 – Fall 2022, graduated Summa Cum Laude
- Cyber Defense Club, Code Hubs, ACM Club, Varsity eSports Team (Overwatch/Valorant)

Frederick Community College – Frederick, MD   05/2019
A.S. STEM: Concentration in Engineering