NATHAN MAGRO

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SUMMARY

Frontend developer skilled in JavaScript/TypeScript, React, Next.js, and HTML/CSS. Passionate about building responsive, data-driven UIs and optimizing applications with the latest technologies. Seeking a role focused on API-driven UI development.

EXPERIENCE

Frontend Web Developer

Sector Eleven Ltd.   **April 2022 – Present, San Gwann, MT**

- Led development of multiple client projects and contributed to an internal SaaS using React, Next.js, and TypeScript, ensuring high accessibility and performance standards.
- Developed custom web portals with dashboards, nested tables, data visualization, and e-commerce features, optimizing filter memory, cart systems, and seamless integration with backend services.
- Implemented an internal digital system that improved workflow efficiency, saving 45 minutes daily, and built a custom component library that boosted development speed by 65%.
- Enhanced SEO strategies, leading to increased organic traffic, and maintained 4.5+ star client satisfaction by ensuring high-quality, rigorously tested applications using Jest.
- Upgraded and optimized projects, migrating from Next.js 13 to 14, refactoring RESTful APIs to TypeScript Remote Procedure Calls (TRPC), and improving application maintainability.
- Developed and integrated key features, including responsive UI components (Tailwind CSS), email/PDF templates (Paged.js), and API routes (Node.js, Express), streamlining frontend-backend collaboration.

Mechanical Engineer

Tektraco Medical   **July 2020 – April 2022, San Gwann, MT**

- Led the digital transformation of medical gas device maintenance, replacing paper-based records with a streamlined system that increased technician productivity by 40% and gave clients instant data access.
- Provided technical support and training on the new digital system, ensuring smooth adoption and achieving a 95% user satisfaction rate through hands-on guidance.
- Updated medical gas pipeline drawings using CAD software, ensuring accuracy and reducing errors in maintenance and repair tasks, leading to improved operational efficiency.
- Developed and maintained a centralized product database, cutting data retrieval time by 50% and enhancing accessibility for both clients and technicians.

EDUCATION

Master of Science (MS) in Electrical Engineering

University of Malta · Msida, MT · 02/2022

Bachelor of Science (BS) in Biomedical Engineering

Malta College of Arts, Science, and Technology · Paola, MT · 06/2019

SKILLS

Libraries and Frameworks: React, Next.JS, MUI, Styled Components, Tailwind CSS, Jest, Express, Node.JS, RESTful, tRPC.

Databases and Services: MongoDB, Google Cloud Services (Firebase and Firestore).

Development Tools: VS Code, Github, Docker, Figma.

Languages: JavaScript and TypeScript, HTML, CSS, SQL, Python.