MICHAEL MARAFINO

SUMMARY

Software Engineer with proven expertise in developing full-stack web applications and advancing robotics/automation technologies. Successfully generated over $6.5 million in revenue through resilient solutions and effective project execution.

EXPERIENCE

America In Motion *Software Engineer*

October 2022 — Present

- Engineered and deployed an API for a customer's trial robotics program, securing a $5 million order.
- Optimized the codebase for one of the world's largest plastics manufacturers, decreasing production downtime by 15%.
- Upgraded a customer's AGV system with the latest navigation technology and added new features to meet evolving production needs.
- Led a $50,000 overhaul of an outdated customer system, significantly enhancing performance and reliability.
- Developed and delivered robust solutions to unexpected production issues, boosting system efficiency by 27% within one week.
- Collaborated with cross-functional teams to implement a system featuring 30 Automated Guided Vehicles (AGVs).
- Enhanced existing vehicle APIs to integrate new hardware, facilitating operational expansion, including the implementation of a 21-foot-tall laser mast needed for stacking products in a warehouse facility.
- Partnered with the marketing team to enhance SEO and online presence, resulting in a 30% increase in web traffic through the development of the current web application.
- Offered tailored guidance to customers based on business needs and budget constraints, leading to repeat customers accounting for 10% of new orders.
- Consistently deliver high-quality software under the pressure of critical production systems, meeting deadlines, exceeding customer expectations, and ensuring adherence to ANSI safety standards.

100Devs *Software Engineer*

January 2022 — October 2022

- Led and collaborated with a team of developers to build modern, responsive full-stack web applications using React and Node.js.
- Increased a client's customer base by over 13% by migrating business data to the web, enhancing online presence and exposure.
- Developed an API for sending newsletter promotions, which led to greater foot traffic and an 8% boost in sales.
- Mentored junior engineers, provided instruction, and conducted code reviews.

CONTACT

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SKILLS

Golang

Node.js / Express

PostgreSQL / SQLite

MongoDB

C# / .NET

React / Next.js / Svelte

TypeScript / JavaScript

CSS / Tailwind

HTML / Handlebars / EJS

Git

Docker

Web Accessibility / A11y

Beckhoff TwinCAT 3

Kollmorgen / OpenPCS

EDUCATION

Stony Brook University

B.S. Biology