Matthew T. C. Boyea

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SOFTWARE ENGINEER

Software technology expert with 2 years of industry experience across a broad range of engineering functions. Proven ability to combine technology and business understanding with vision and ingenuity to deliver quality products. Well-developed agile project management skills to support product launches. Comprehensive digital marketing skills to support marketing initiatives. Positioning companies and their products for success.

- **Front-End Web Development** using HTML, CSS (Sass), JavaScript (Typescript, Webpack, Babel, Vite, Node, Vue3, Svelte, React, Solid), Wordpress (Elementor)
- **Back-End Web Development** using Docker, AWS (Lambda), Python, Node
- **Full-Stack Web Development**
- **Database Development** using SQL (Oracle, Postrgres), ORM (SQLAlchemy)
- **Desktop App Development** using Java (JavaFX), C++ (SFML, SDL2), C# (Unity)
- **Robotics Automation** using FANUC TP, Arduino
- **Version Control** using Git
- **CI/CD** using GitHub, AWS (SAM)
- **Unit Tests & Integration Tests** using JavaScript (Jest)
- **User Authentication** using Auth0, Keycloak
- **Payment Processing** using Stripe
- **Agile Project Management** using Kanban, Scrum (Jira)
- **Digital Marketing** using SEO, Product Placement, Call to Action, Marketing Funnels

RELEVANT EXPERIENCE

Full-Stack Software Engineer for *Smart Warehousing LLC*   05/22 - 05/23

Developed third-party logistics (3PL) management software. Worked within multiple internal teams using web technologies. Introduced standards to produce DRY, clear, semantic software code. Refined development processes to be quicker, clearer, and more concise.

Robotics Education Researcher for *FHSU*   03/21 - 12/22

Created hands-on educational guides for industrial robotics programming. These resources aimed to bring industry standards into the classroom. Presented work at SACAD in 2022.

Robotics Consultant & Programmer for *NeySEA LLC*   06/21 - 05/22

Provided consultation and programming services for an industrial robotics implementation. Helped bring robot manufacturing solutions to an untapped market.

Frontend WordPress Developer for *Webcom Resources LLC*   01/19 - 04/19

Designed websites in WordPress for businesses and local governing agencies. Applied effective digital marketing strategies, improving the online visibility of clients.

EDUCATION

Bachelor of Science in Computer Science at *FHSU*   08/20 - 12/23

Degree acquired while developing my career, ideals, identity, health, discipline, and skills.

KAMS Certificate of Completion at *FHSU*   08/20 - 05/22

Full-time university enrollment with required scholarly research for concurrent high school credit.

High School Diploma at *PRHS*   08/18 - 05/22

Game Development Study at *PRHS*   08/18 - 08/20

Developed software tools and videogames using programming languages including C++ and C#.