MATTHEW T. C. BOYEA

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FULL-STACK SOFTWARE ENGINEER

Multidiscipled software engineer with **2.5 years of diverse field experience**. Fascinated by the potential of software since 2018. Seeks to improve the quality and accessibility of education, commerce, and media through web technologies. Highly organized and leadership-oriented.

- **Front-End Web Development** HTML, CSS (Sass), JavaScript (Typescript, Webpack, React, Vue, Svelte, Solid, D3.js, Jest), WebGL (GLSL), Wordpress
- **Desktop App Development** Java, Assembly (x86), C++ (SDL2, SFML), C# (Unity)
- **GUI & HMI** responsive design, accessibility (ADA, WCAG)

- **Back-End Web Development** microservices (AWS Lambda), Node, Python
- **Devops** Docker, CI/CD IAC (AWS SAM), Linux (Arch Linux, NixOS), Makefile, Shell Scripts (Bash), CLI Tools
- **Database Administration** SQL (Postgres, Oracle), ORM (Python SQLAlchemy)

- **Project Methodologies** Agile (Scrum, Kanban), Jira
- **QA** Unit Testing (Test Driven Development), Postman
- **Digital Marketing** SEO, Product Placements, Call to Actions, Marketing Funnels
- **Embedded Systems** Schematics (Cars, 4 Wheeler), Robotics (FANUC TP, Arduino)

EXPERIENCE

Full-Stack Software Engineer for *Smart Warehousing LLC*   05/22 - 05/23
Worked with 2 teams using microservices (AWS, DataDog, Auth0) and Web UI Frameworks (React, Vue) to create cross-platform 3PL (third-party logistics) software for managing warehouse operations.

- Developed a mobile-friendly GUI to visualize tens of thousands of data points on an interactable map.
- Contributed to 3 other projects during Agile sprints.
- Introduced standards (Vue Style Guide, Callback Hell Guide) to produce maintainable code.
- Revised GitHub PRs & used SemVer to improve QA.

Robotics Education Researcher for *Fort Hays State University*   03/21 - 12/22
Conducted a case study to integrate industry robotics programming standards into university curriculum.

- Presented findings to 100+ attendees at SACAD.
- Demonstrated benefits of project-based learning.

Robotics Consultant & Programmer for *NeySEA LLC*   06/21 - 05/22
Provided consultation and programming services to help bring robotics into an untapped market.

Frontend Web Developer for *Webcom Resources LLC*   01/19 - 04/19
Designed websites using WordPress (Elementor) for local businesses and governing agencies.

- Improved online visibility & conversions of 4 clients.
- Enhanced branding & SEO of client software.

EDUCATION

Bachelor of Science in Computer Science at *Fort Hays State University*   08/20 - 12/23
Graduated from University *3 years early* while developing career, ideals, and skills.

KAMS Certificate of Completion at *Fort Hays State University*   08/20 - 05/22
High School Diploma at *Pleasant Ridge High School*   08/18 - 05/22