Dane Faber

(715) 560-0926 | drfaber15@gmail.com | https://github.com/drfaber15 | Portfolio Url: https://danes-portfolio.vercel.app

Full Stack Developer with hands-on experience in building secure internal tools and automating manufacturing processes. Skilled at streamlining technical workflows, building reliable tools, and supporting cross-functional teams. Passionate about designing scalable solutions, strengthening cybersecurity practices, and applying technical knowledge to solve real-world business challenges. Eager to contribute technical expertise to innovative teams while continuously expanding knowledge in cloud computing and scalable system design.

EDUCATION

University of Wisconsin - Madison   Madison, Wisconsin
Bachelor of Science in Computer Science
GPA: 3.55

SKILLS

- **Languages:** Python, Java, C, JavaScript, C++, R, Xbasic
- **Frontend:** React, React Native, TypeScript, HTML, CSS, Tailwind CSS, Bootstrap, Figma, Axios
- **Backend & DevOps:** PostgreSQL, MSSQL, FastAPI, Docker, REST, Flask, GitLab, Bash
- **Tools:** Git, PyTorch, Microsoft Azure, IntelliJ, PyCharm, CLion, Visual Studio Code
- **Cloud & Infra:** AWS (S3, CloudFront, Elastic Beanstalk, RDS)
- **Practices:** DevSecOps, Agile/Scrum, CMMC L3 Compliance, Software Quality Assurance

PROJECTS

- **Personal Projects Webpage:** Built a modern portfolio website with React, React Router, and Tailwind CSS. Designed custom UI components, including animated shooting stars, dynamic theme switching, and responsive layouts with CSS3. Managed state with React Hooks, integrated local storage for theme persistence, and deployed via Vercel for seamless continuous deployment.
- **Maintenance Tracker Web App:** Built and deployed a Maintenance Tracker: React 18, Tailwind CSS, Axios frontend; Flask, SQLAlchemy, Flask-JWT-Extended backend; PostgreSQL (AWS RDS) storage; deployed on AWS S3, CloudFront, Elastic Beanstalk, and RDS; secured with JWT authentication and Werkzeug password hashing.

EXPERIENCE

Milwaukee Valve Co., LLC   Prairie du Sac, Wisconsin
ME Software Developer   May 2024 – Present

- Developed 5+ internal web tools, reducing manual workflows by 30% for manufacturing engineering.
- Designed and deployed badge-scanning MFA and role-based access controls for 300+ employees to meet CMMC Level 3 requirements.
- Led a maintenance system overhaul that added tablet support and image uploads for 25+ field users, improving field data quality and submission speed.
- Compiled CMMC Level 3 evidence and documentation used to obtain certification (one of ~4% of companies to achieve this).
- Implemented GitLab for source control across 15 projects; standardized branch/merge practices and code review to increase review throughput and traceability.
- Managed relational DB integrations, maintained legacy systems, and monitored CNC servers to reduce downtime.
- Designed user-friendly GUIs for internal apps, increasing adoption among nontechnical staff.
- Performed peer code reviews and enforced secure coding practices to reduce regressions.

Ramaker | Architecture + Engineering   Madison, Wisconsin
IT Intern   April 2023 – September 2023

- Developed and implemented an automated IT ticketing and help desk bot, improving system robustness and efficiency, resulting in 100% reliability.
- Assisted with computer network security by analyzing the system for vulnerabilities and viruses, ensuring the integrity and confidentiality of company data with zero data breaches.
- Managed and expedited the setup of new machines for employees using a cloning process, which included the installation of necessary software and systems, ensuring swift updates and optimal performance, making the process four times faster.
- Provided crucial support to IT staff by processing paperwork, responding to user requests, and resolving technical issues, often working with teams of ten or more.