William Marlette

Brandon, FL | Open to remote or hybrid
williammarlette3@gmail | GitHub | LinkedIn | Portfolio

Summary

Full-stack developer with hands-on experience building web applications, custom dashboards, and infrastructure setups. Known for bridging development with IT problem-solving, from writing scalable React/Node code to deploying on VPS with DNS, SSL, and CI/CD. Strong homelab background with Proxmox, Docker, and Linux. Passionate about automating everything — whether in software, AI, or mechatronic systems. Open to SWE or tech support/consulting roles.

Technical Skills

Frontend: React (Vite), Zustand, React Query, React Hook Form + Yup, BEM CSS
Backend: Node.js, Express, MongoDB, REST APIs, JWT Auth, Multer
DevOps & Infrastructure: Git, GitHub Actions, Docker, Nginx, Oracle VPS, Proxmox, Unraid, Linux, Postman
Other Tools: OpenAI API, Python (OOP, venv), Blender (PBR, animation), Arduino, Raspberry Pi

Projects

invare.app – AI-assisted inventory tracker for Arduino, Raspberry Pi, and ESP modules
Live · GitHub

- Developed a full-stack MERN app to track hardware modules, wiring diagrams, and code snippets
- Integrated OpenAI API to enable Q&A over user-owned inventory based on code and documentation
- Built with React (Vite), Zustand, RHF + Yup, Ky, React Query, Express, and MongoDB
- Enabled image uploads, searchable note structures, and dynamic hardware queries
- Actively maintained with roadmap for public module sharing and tutorial onboarding

Bonanza Breeze CRM – End-to-end website, admin panel, and backend for HVAC client
Live

- Delivered public site, admin dashboard, and backend API supporting appointment, quote, and staff workflows

- Integrated Square API for invoices and Resend for automated email notifications to staff and customers

- Guided client through entire technical setup including domain, VPS, DNS, and API key management

- Iterated backend schema to accommodate Square's external customer DB and future integrations

- Planned Twilio SMS support and auto-staff-scheduling system based on location and availability

Developer Portfolio – willcat.dev – Interactive SPA showcasing projects and tech stack
[Live](#)

- Designed single-page React (Vite) site with custom animations, tech stack slider, and smooth transitions

- Built reusable components, dynamic project loading, and scalable file structure with BEM CSS

- Incorporated React Modal and Slick carousel for clean UX presentation

- Serves as central project showcase with resume download and contact section

- Planned future UI overhaul inspired by StarCraft in-game interface with RTS-style interactivity

Experience

Freelance Full-Stack Developer | 2025 – Present

- Developed full-stack CRM and website for HVAC business (*Bonanza Breeze Inc*), integrating Square API and Resend

- Delivered end-to-end solutions from UI to backend while advising on infrastructure and automation plans

- Consulted directly with client to understand business needs and translate them into technical workflows

- Guided technical onboarding including Oracle VPS setup, DNS configuration, and CI-lite deployment scripting

Technical IT Support & Homelab Engineer | 2023 – Present

- Configured and maintained personal homelab with Proxmox VMs, Unraid NAS, IP cameras, and smart automation

- Supported small-business and personal setups including hardware troubleshooting, system restoration, and network config

- Built automated backup routines, scheduler jobs, and long-term NAS storage solutions

- Served as go-to tech support contact for system repair, optimization, and upgrade advice

Education

TripleTen Bootcamp | Full-Stack Web Development Certificate | Nov 2024 – Aug 2025
High School Diploma | 2021