

JEFFREY A. OLMEM

AI SOLUTIONS ENGINEER | FULL-STACK AI APPLICATIONS | BUSINESS SYSTEMS & AUTOMATION

Kenosha, WI | Open to Remote Roles | 224-440-3017 | jeffolmem@gmail.com | github.com/jolmem1987 | OlmemTech.com

PROFESSIONAL SUMMARY

AI solutions engineer, business owner, and full-stack software builder with 10+ years of experience translating complex operational problems into production-ready applications, automations, data workflows, and decision-support systems. Founded Olmem Technical Solutions in October 2025 and collaborate cross-functionally with multiple developers to deliver custom AI workflow solutions, professional websites, content management systems, and standalone business applications. Build and deploy AI-connected applications, agents, APIs, data-ingestion and transformation workflows, authentication systems, PostgreSQL data models, administrative views, and cloud infrastructure using Python, C#, Next.js, React, TypeScript, and SQL. Combine stakeholder discovery, business analysis, testing, technical documentation, SAP PM expertise, and regulated-manufacturing experience to turn fragmented knowledge and manual processes into reliable software.

CORE TECHNOLOGIES

Software & Data	C#, .NET/WPF, Python, JavaScript, TypeScript, Next.js, React, SQL, PostgreSQL, Prisma, REST APIs, JSON, data ingestion, ETL/ELT concepts, data transformation, Git, GitHub, Visual Studio, VS Code, Jupyter, Excel/ClosedXML
AI & Automation	OpenAI API, Anthropic Claude API, LLM integration, AI agents, prompt engineering, AI-assisted debugging, retrieval workflows, chatbots, AI evaluation concepts, research automation, decision-support systems
Cloud & Delivery	Vercel, DigitalOcean VPS, Docker, Cloudflare/DNS, environment variables, npm, authentication, webhooks, SMTP/email flows, API keys, testing, monitoring, production support
Business Systems	Requirements gathering, stakeholder collaboration, process mapping, user stories, current/future-state analysis, workflow design, data modeling, dashboards, technical documentation, SAP PM, root-cause analysis, pilot metrics, ROI analysis

SELECTED AI & SOFTWARE PROJECTS

Maintenance Planner Desktop Application | C#/.NET WPF | ClosedXML | MVVM-style architecture

- Built data-ingestion and transformation workflows for SAP-style Excel exports, normalizing inconsistent source fields into application-ready maintenance records, editable assignments, technician data, planner settings, and formatted exports.
- Implemented regulatory PM prioritization, workload balancing, rotating-shift logic, production constraints, locked assignments, and weekly scheduling; tested scheduling behavior, documented system logic, and designed a future SAP .NET Connector integration path.

Olmem Market Watch | Next.js | TypeScript | PostgreSQL/Prisma | AI APIs | Vercel

- Built and deployed an AI-connected company research and portfolio insight application using current market and business data, paid access workflows, holdings input, performance visibility, and decision-support experiences.
- Integrated production authentication, data retrieval, database workflows, and AI-generated analysis while clearly separating financial research from trade execution.

Trade Olmem Tech | Node.js/JavaScript | PostgreSQL | Coinbase API | Docker | DigitalOcean | Cloudflare

- Deployed a live cryptocurrency platform with exchange/API connectivity, market scanning, account visibility, configurable risk controls, trade reconciliation, and administrative settings.
- Troubleshoot authentication, API keys, production-server behavior, rate limits, database consistency, DNS, and deployment issues across GitHub, Docker, DigitalOcean, and Cloudflare.

Olmem Technical Solutions | Next.js | React | TypeScript | AI APIs | PostgreSQL | Vercel

- Build professional websites, custom CMS platforms, generative and agentic AI systems, lead-handling tools, customer-communication workflows, administrative dashboards, and standalone business applications.
- Design API-connected data workflows that ingest, structure, transform, store, and present operational and customer information through application interfaces, administrative views, dashboards, and AI-supported decision tools.

PROFESSIONAL EXPERIENCE

Founder & AI Solutions Developer | Olmem Technical Solutions | Remote / Kenosha, WI Oct 2025 - Present

- Own client communication, requirements, product direction, technical decisions, testing, documentation, deployment, monitoring, and production support across Vercel, DigitalOcean, PostgreSQL, DNS, authentication, and third-party integrations.
- Translate client goals and fragmented manual processes into requirements, user flows, data models, AI-enabled workflows, APIs, data pipelines, administrative dashboards, cloud deployments, and maintainable business applications.
- Work cross-functionally with multiple developers from discovery through production, coordinating architecture, implementation, code review, debugging, integrations, source control, testing, release readiness, and post-deployment support.
- Founded and operate a technology business delivering custom AI workflow solutions, professional websites, CMS platforms, and standalone systems that help businesses automate work, manage content, communicate with customers, and modernize operations.

Maintenance Planner / SAP PM Coordinator | SC Johnson | Racine / Sturtevant, WI

Oct 2024 - Present

- Plan, schedule, and coordinate maintenance work in a regulated manufacturing environment where safety, quality, compliance, documentation, and uptime are critical.
- Use SAP PM to manage preventive maintenance, work orders, equipment history, parts readiness, job-plan data, and execution planning for approximately 50 maintenance and operations personnel.
- Partner with mechanics, electricians, PLC/automation technicians, operators, supervisors, managers, facility leaders, and contractors to convert field constraints into executable plans and reliable workflows.
- Translate operational pain points into improved work-order structures, checklists, data views, workflow automation, and software requirements; independently built and tested a planning application to reduce scheduling complexity and support production planning.
- Coordinate maintenance and reliability work supporting hundreds of operators performing CILTs, inspections, cleaning, lubrication, production-support tasks, and regulatory routines.

Electromechanical Technician | SC Johnson | Wisconsin

2019 - 2024

- Troubleshoot and repaired packaging, filling, conveyor, palletizing, automation, and production equipment in fast-paced manufacturing environments.
- Performed multi-craft work across electrical, mechanical, pneumatic, hydraulic, controls, and production-support systems, turning failure knowledge into stronger technical requirements and maintenance plans.
- Trained and guided less-experienced technicians through hands-on support, clear documentation, and timely escalation to internal and external specialists.

CNC Maintenance / Industrial Maintenance Technician | National Technologies / Swiss Automation | IL / WI

2015 - 2019

- Maintained and repaired CNC and Swiss machining equipment, controls, spindles, alignments, rebuilds, preventive maintenance programs, and production-critical systems.
- Built a strong troubleshooting foundation across machine tools, sensors, drives, servos, mechanical assemblies, electrical systems, and process reliability.

CERTIFICATIONS & TECHNICAL DEVELOPMENT

- University of Michigan College of Engineering - ME AIML: Machine Learning - 1 project passed | Completed July 8, 2026
- University of Michigan College of Engineering - ME AIML: Applied Data Science with Python - 2 projects passed | Completed May 30, 2026
- Technical certificates and continued development: Python Refresher, GitHub Copilot, Python, AI-assisted software workflows, ChatGPT, Claude Code, cloud deployment, automated testing concepts, and production application troubleshooting.
- OSHA 10-Hour; aerial lift; automation; Haas outlet; CNC outlet; Swiss CNC / Marubeni Citizen technical training.

PORTFOLIO

GitHub: github.com/jolmem1987 | Business Portfolio: www.olmemtech.com | Trade Olmem Tech | Powerholics Performance