Tammy Estes

Software Engineer | Applied AI and Automation | Business Systems

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LinkedIn | Upwork

Professional Summary

Senior software engineer and systems analyst with more than 25 years of experience developing, maintaining and supporting business-critical applications. Background spans requirements analysis, software and database design, full-stack development, production support, release management and enterprise infrastructure. Supported State of Maine systems for more than 23 years and manufacturing systems in 24/7 environments. Current work through Tammy Builds includes applied AI, local LLM setup, agent workflows, API integrations, and web and data applications, informed by extensive enterprise-systems experience.

Engineering Focus

Business analysis and requirements | Application development | SQL and database systems | Legacy modernization | Applied AI and local LLMs | Agent workflows and API integrations | Testing and release management

Professional Experience

Founder and Senior Software Engineer

Tammy Builds AI + Automation | Greene, ME | Jun 2026 - Present

- Develop AI-assisted tools and workflow prototypes, REST API integrations, internal business applications and data workflows, with human review where decisions require oversight.
- Develop communication intelligence, document comparison and analysis, SQL dependency analysis, and tools for COBOL and legacy modernization.
- Build Supabase and PostgreSQL systems and automation pipelines with human review; work across requirements, architecture, development, testing and deployment.
- Translate manual and repetitive business processes into software workflows, combining APIs, databases, business rules and user interfaces.

Recent Applied AI and LLM Work

- Configure and test local inference with Ollama and Qwen models, including qwen3:8b and qwen3.6:27b; investigate runtime configuration, model availability and local execution behavior.
- Set up and troubleshoot LibreChat and Docker; work with Finn-Local configurations for model selection, conversation history and persistent-memory settings, using controlled checks rather than assuming capabilities.
- Use ChatGPT/Codex-assisted development to iterate on applications, API integrations, documentation, tests and deployment workflows; evaluate outputs and preserve human approval for consequential actions.

Current Tools and Project Environment

ChatGPT and Codex, Ollama, Qwen, LibreChat, Docker, Python, Git/GitHub, Supabase/PostgreSQL, Netlify, Cloudflare Workers/D1, ChatGPT Sites and PostHog. Project work also includes MCP integrations and document-processing workflows.

Selected Project Work

- Tammy Builds tool collection: spreadsheet health checks, contract and budget inspection, SQL dependency exploration, COBOL analysis and vendor-charge comparison.
- ActorBridge: software for organizing creative-career information. PostPilot: private publishing workflow with account checks, pause controls and duplicate protection.

Enterprise Technology Experience

Programmer Analyst and Senior Programmer Analyst

State of Maine Office of Information Technology | Augusta, ME | Nov 2000 - May 2024

- Supported enterprise applications for Education, DHHS, Corrections, ADAM and central IT across more than two decades of technology change.
- Performed requirements analysis, application and database design, development, testing, deployment, production troubleshooting and release management.
- Worked with COBOL, PL/1 and batch systems as well as Java, C#, .NET, Oracle, SQL platforms and web applications.
- Developed dashboards that enabled nontechnical staff to address recurring data-quality issues, reducing repeated technical intervention.
- Designed user interfaces, middleware and back-end components; administered selected applications and coordinated testing and releases.
- Worked across Agile, Scrum, Kanban and Waterfall environments using Jira and Confluence, supporting communication between business users and technical teams.

Earlier Technology Experience

Systems Analyst

Mead Paper Corp | Rumford, ME | 1998 - 2000

- Supported infrastructure, applications, networking and manufacturing systems in a 24/7 production environment.
- Led planning, testing and implementation of an onsite disaster-recovery strategy; managed backups and restores and trained technical support staff.
- Built and maintained Windows NT and VAX/VMS servers, supported SQL Server and Tivoli, and installed network infrastructure including fiber optics.
- Helped deliver enterprise technology rollouts and developed MES and mainframe COBOL applications.

Earlier Experience and Qualifications

Software Engineer

National Semiconductor | South Portland, ME | 1996 - 1998

- Developed COBOL/FMS and PL/1 applications and supported Work-Stream manufacturing execution systems and batch processing in 24/7 production operations.
- Managed backups, restores, database rebuilds and VMS-based MES environments supporting 24 facilities; developed JSS processes for batch and real-time reporting.
- Led development of a Work-Stream MES Train-the-Trainer program and provided application testing, release management and user training.

Assistant Systems Engineer

Apple Computer | Boston, MA | 1995 - 1996

- Assisted systems engineers with Mac OS networking conferences and technical events, including network setup, configuration and preparation of technical materials.

Computer Technician to Senior Computer Technician

University of Southern Maine | Maine | Jul 1991 - Jul 1992

- Supported users, workstations, hardware, software and departmental computing systems; promoted to Senior Computer Technician based on performance and technical capability.

Education

Bachelor of Science in Computer Information Systems

Gallaudet University | Washington, DC | 1992 - 1996

GPA 3.8 | Cum laude | Two-time President's Scholar | Dean's List

Delta Phi Epsilon member during final two years of college; served as secretary for six months.

Technical Credentials

Microsoft Certified Systems Engineer (MCSE) | 1999

Certified Business Analyst Professional (CBAP)

Leadership and Public Service

Advisory Board Member | Division of Deafness Advisory Board | State of Maine

Languages

English | American Sign Language (fluent)

Technical Skills

Current work combines AI automation and data systems with a broad background in enterprise application development, databases, infrastructure and legacy platforms.

Applied AI LLMs and integrations

Ollama, Qwen local inference, LibreChat, Docker, ChatGPT/Codex-assisted development, Python, LLM API integrations, REST APIs, MCP integrations, agent workflow configuration, document automation, human approval workflows, Supabase/PostgreSQL, PostHog, Netlify, Cloudflare Workers/D1 and data processing. Hands-on setup and project work; capabilities vary by project.

Software and web development

C#, .NET, ASP.NET, VB.NET, Java, JavaScript, HTML, HTML5, CSS, CSS3, DHTML, XHTML, MVC, Bootstrap, jQuery, AJAX, ADO.NET, LINQ and XML. Experience with user interfaces, middleware, back-end services and web applications.

SQL and database engineering

Microsoft SQL Server, Oracle PL/SQL, MySQL, SQL scripting, stored procedures, database design and modeling, data manipulation, database administration, replication, mirroring and failover clusters. Additional database experience includes Rdb, IBM Db2, Sybase, Informix, Microsoft Access, dBase and FileMaker Pro.

Reporting and data tools

SSRS, SSIS, SSMS, Crystal Reports, BiQuery, Oracle SQL Developer, SQL Loader, TOAD, data-quality checks, dashboards and SQL dependency analysis.

Legacy applications and manufacturing

COBOL, COBOL/CICS, PL/1, FMS, JCL, VSAM, Work-Stream MES, VAX/VMS, OpenVMS, DCL, TSO, EasyTrieve and FILEAID. Experience with batch processing, JSS scheduling, real-time reporting, backups, restores and production support.

Systems and networking

Windows and Windows Server, Windows NT, UNIX, Linux, Active Directory, IIS, Apache, TCP/IP, DNS, DHCP, WINS, HTTP, SOAP, FTP, SMTP, SNMP, Ethernet and fiber optics. Earlier environments include Novell, Apple networking and IBM MVS. Server builds, RAID arrays, hardware and software support, and disaster recovery.

Development and collaboration tools

Visual Studio, Eclipse, NetBeans, Oracle JDeveloper, Git, GitHub, SVN, TortoiseSVN, TFS, PVCS, Jira, Confluence, Visio, SharePoint, PuTTY, FileZilla and Microsoft Office. Additional enterprise platforms include PeopleSoft and Pega7.

Analysis and software delivery

Feasibility analysis, requirements gathering, application and database design, SDLC, object-oriented programming, user testing, release management, deployment, troubleshooting, documentation and technical training. Agile, Scrum, Kanban, Waterfall, RAD, UML and PMBOK familiarity.

Additional programming and scripting experience

C on UNIX, PowerBuilder, BASIC, TCL, UNIX shell scripting, Windows scripting and AppleScript.