

JIM NESBITT

Professional Summary

Technology Consultant | AI Integration | Software Architecture | Full-Stack

Develop Forward-thinking Technology Leader, Systems Architect, and Full-Stack Engineer with over 20 years of experience designing, building, and deploying mission-critical systems. Specializing in translating complex business ideas into production-ready software, combining reliable legacy backend execution with modern AI-assisted workflows, containerized infrastructure, and decentralized network platforms. Proven track record managing total product development life-cycles from proof-of-concept through scalable production.

SELECTED TECHNOLOGY PROJECTS

AI Agent Infrastructure & Engineering Automation

2026 – PRESENT

Built and deployed autonomous AI agent gateways (OpenClaw) integrated into Telegram APIs, hosted on isolated Linux VPS environments. Engineered customized pipelines to accelerate documentation parsing, code generation, and diagnostic troubleshooting isolation loops.

Residential & Network Automation Environment

2019 – PRESENT

Maintains a standalone bare-metal virtualization lab (Proxmox VE) hosting local containerized architectures (Ubuntu, Docker, Nginx reverse proxies to Google VPS). AI smart-hub integration (Home Assistant with OpenAI API)

Decentralized Blockchain Application Platforms

2025 – 2026

Architected custom programmatic crypto token generation, distribution infrastructure, and secure wallet management connections within the Solana Blockchain ecosystem. Engineered reliable API backends and web interface modules providing direct blockchain communication hooks.

Enterprise-Grade Business Web Applications

1997 – 2019

Designed, coded, and administered secure web platforms (etstv.com / emstv.com) featuring full 128-bit encryption, automated real-time international credit card clearance gateways. Created proprietary C++ Windows Server applications to deliver granular dynamic report generation pipelines back to browser-based ColdFusion and .NET reporting. Along with multi-account authentication structures.

EMPLOYMENT HISTORY

Technology & Developer Consultant, VAMW PARTNER ADVISORY LLC, Fort Myers, FL

2020 – PRESENT

- Design, architect, and continuously deliver scalable web applications, custom databases, and API integrations tailor-made to transition commercial requirements into automated software architectures. Deploy and provision isolated Linux-based Virtual Private Servers (VPS) optimized via Docker containerization stacks, Nginx reverse proxies, and secure SSL certificates.
- Inject advanced AI-augmented engineering frameworks into standard software development life cycles, using customized autonomous agents to minimize prototyping cycles and isolate bugs.
- Perform deep architectural code verification, auditing AI-generated scripts to

Details

Fort Myers, Florida

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TECHNICAL BACKGROUND & SKILL MATRIX

C/C++

AI Automation Workflows

Autonomous Agent

Infrastructure (OpenClaw, Telegram Bot Interfaces)

VPS Hosting

Self-Hosted Services

Linux Systems Administration (Ubuntu, Debian)

Docker Containerization

Nginx (Reverse Proxies, Security Layouts)

Proxmox VE

AI Residential Automation

Multi-Node Networks & WAN

Windows Server

Win32 API, Multi-threading, COM/DCOM, DLLs

Java

JavaScript

SQL

ColdFusion

HTML5 / CSS

Legacy Assemblers (SmallTalk, Pascal, Visual Basic, FORTRAN)

Relational Database Design (MS SQL, Stored Procedures)

Distributed Database Synchronization

Large-Scale Data Warehousing & Serialization (Nielsen, Tribune, Eurodata Systems)

guarantee absolute adherence to strict object-oriented paradigms, transaction safety, and clean data design principles.

Founder & Chief Technology Officer (CTO), Essential Media Services, Los Altos, CA

1997 – 2019

- Served as chief architect and engineering team leader, commanding total product development cycles, establishing software roadmap frameworks, database design models, and enterprise server infrastructures.
- Client-facing Principal Developer for international studios: Sony, Disney, MGM, Universal Studios.
- Engineered the EMS Studio flagship suite, a multi-market media analysis and planning application built on highly complex multi-threaded Win32 C++ core environments using Microsoft COM/DCOM protocols over global networks.
- Architected large-scale corporate data warehouse structures specifically processing, standardizing, and optimizing massive, complex media datasets including global Nielsen Television Ratings, Tribune Media Services, and Eurodata.
- Authored specialized, high-performance ColdFusion C++ DLL extensions and dynamic multi-tiered data access engines to eliminate query latencies and bypass structural firewall constraints safely via custom HTTP browser architectures.
- Designed and personally engineered secure, 128-bit encrypted corporate internet web platforms (etstv.com/emstv.com) complete with dynamic reporting pipelines, real-time banking clearance modules, and automated alert nodes.

EARLIER PROFESSIONAL TECHNOLOGY FOUNDATIONS

Dynamix / Sierra On-Line (Consultant), Eugene, OR

1996 – 1997

- Rewrote graphical core user interface frameworks, dialog structures, and environmental rendering systems for retail flight simulator ProPilot™.

Webconcepts, Inc. (CTO), Manhattan, NY

1994 – 1996

- Commanded technical prototyping teams focusing on distributed client/server engineering; built Java-centric network channel ecosystems leveraging Marimba Bongo, Visual J++, and C++ server runtimes.

SNAPWARE, Inc. / US West (Senior Software Engineer), Palo Alto, CA

1989 – 1994

- Developed software used by nearly every major Hollywood television syndicator and studio to analyze Nielsen television ratings.
- Worked directly with organizations such as Warner Bros. Television, Paramount Domestic Television, 20th Television, King World Productions, Universal Television, Columbia TriStar Television, Buena Vista Television, Tribune Entertainment, and many others.
- Only developer to be brought on-site to interact with client executives.
- Ported industry media network analysis tools from 16-bit desktop into true 32-bit client/server layouts inside Windows NT, engineering RPC protocols and implementing multi-office WAN infrastructures.

EDUCATION

Computer Information Science, University of Oregon, Eugene, OR

Foothill College, Los Altos, CA