

# Lorenzo Weed

**Fullstack Web Developer • Systems Engineer • AI Integration Specialist**

Email: weed.lorenzo@gmail.com | LinkedIn: lorenzoweed | GitHub: L-Weed

---

## Professional Summary

Highly skilled Fullstack Web Developer and Systems Engineer with extensive experience designing and building cloud-based platforms, AI-integrated systems, and on-premise to cloud hybrid infrastructures. Proven ability to deliver complex, business-critical solutions including work operating systems, project management platforms, AI chatbots, and enterprise reporting tools. Experienced working directly with clients across agriculture, distribution, tax services, and local government, combining hands-on infrastructure work with scalable cloud software development.

---

## Core Technical Skills

**Languages:** PHP, C#, Python, JavaScript, SQL, HTML, CSS

**Frameworks & Libraries:** vLLM, Typescript, JQuery, Bootstrap

**Databases:** MySQL, Oracle, relational database design, schema extraction

**AI & ML:** Local LLM deployment (Ollama, vLLM), RAG pipelines, prompt engineering, chatbot integration

**Systems & Infrastructure:** Windows & Linux servers, workstation builds, networking, on-premise & cloud integration

**Security & IT Management:** Antivirus deployment, endpoint protection, user permissions, role-based access control

---

## Professional Experience

### Software Developer / Systems Engineer

Project Co-Lead | 2022-2025

- Designed and developed a **cloud-based Work OS / Project Management System** featuring:
  - Bug tracking, ticketing, and task management
  - Inventory management with on-floor recipe creation
  - Purchase orders, sales orders, invoicing, and customer integrations
  - User tracking, custom action tracking, and analytics
  - Advanced reporting driven by operational data points
  - Hierarchical approval workflows with level-based user permissions
- Built full-stack solutions integrating secure APIs, relational databases, and responsive front-end interfaces.
- Implemented hybrid architectures combining on-premise systems with cloud services for reliability and scalability.
- Developed and integrated **AI chatbots** using local AI servers to assist users with internal documentation and workflows.

## Infrastructure & IT Systems Engineer

### Client-Facing Projects | 2021-2025

- Built and deployed **100+ servers and personal workstations**, tailored to client needs and performance requirements.
- Performed on-site installations at numerous client locations, including:
  - Network design and setup
  - Server configuration and maintenance
  - Secure workstation deployment
- Integrated on-premise infrastructure with cloud platforms to support remote access, redundancy, and growth.
- Worked with clients across **agriculture, distribution, tax services, and local municipalities**, delivering compliant and reliable systems.

## Security & Software Licensing

- Deployed and managed enterprise antivirus solutions.
  - **Licensed reseller and administrator** for:
    - ESET Antivirus Solutions
    - Microsoft Office 365
  - Implemented endpoint protection strategies and managed license compliance for business clients.
- 

## Selected Projects

- **Enterprise Work OS / PMS Platform:** End-to-end design and implementation of a scalable business operating system supporting inventory, finance, operations, and approvals.
  - **Local AI Chatbot with RAG:** Built a chatbot integrated with a local AI server using vLLM and retrieval-augmented generation for tutorial and document-based assistance.
  - **Visual Studio 2022 AI Code Completion Extension:** Developed a local-LLM-powered extension providing inline code suggestions with contextual awareness.
  - **Network & Systems Deployments:** Designed and deployed secure networks and server infrastructures for diverse industries.
- 

## Additional Strengths

- Strong client communication and on-site consulting experience
  - Ability to translate business requirements into technical solutions
  - Deep understanding of hybrid cloud and on-premise environments
  - Comfortable working independently or leading complex technical projects
- 

*References available upon request*