

HARIDEEVAGAN M

FULL-STACK ARCHITECT · LLM ENGINEER · ODOO ERP SPECIALIST · AUTOMATION ARCHITECT



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TECHNICAL SKILLS

AI & LLM

QLoRA Fine-Tuning · PEFT · RAG · LangChain · Hugging Face · pgvector · Multimodal AI · NLP

BACKEND ENGINEERING

Python (Expert) · REST APIs · Microservices · Bash · XML · JavaScript ES6+

ERP & ARCHITECTURE

Odoo v11-v19 · Custom Modules · ORM · QWeb · Community & Enterprise · Odoo.sh

DATABASES

PostgreSQL (Advanced) · Oracle · MySQL · Query Optimization · Data Migration

DEVOPS & INFRASTRUCTURE

Docker · GPU Infrastructure · Ubuntu Server · CI/CD · SSH/SFTP · Cloud Platforms

FRONTEND

React.js · HTML5 · CSS3 · Bootstrap · jQuery

AWARDS & RECOGNITION

Rising Star Award · 2023-24

Recognized for rapid skill acquisition, innovative problem-solving, and outstanding contributions across full-stack development and AI/ML in first year of tenure.

Special Recognition Award · 2024-25

Awarded by Odoo Development Team for technical leadership, AI deployment, cross-platform agent development, and consistently high standards of code quality.

EDUCATION

B.E. — Computer Science & Engineering

NPR College of Engineering & Technology
Anna University, Tamil Nadu · 2019-2023

CORE VALUES

Ownership Mindset

Delivery Excellence

Technical Leadership

Innovation First

Clean Code

Client Focus

PROFESSIONAL INTERESTS

LLM Research

Workflow Automation

Cloud & DevOps

Enterprise Integration

IoT & Smart Systems

Open Source

Award-winning Full-Stack Developer and Automation Architect with 2.5+ years delivering enterprise-grade Odoo ERP systems, fine-tuned LLM deployments, and cross-platform intelligent agents. Consecutive recipient of the **Rising Star Award (2023-24)** and **Special Recognition Award (2024-25)** for technical innovation and delivery excellence. Specializes in QLoRA fine-tuning, RAG pipeline architecture, multimodal AI (text, voice, image), and end-to-end automation engineering across GPU infrastructure and distributed environments.

PROFESSIONAL EXPERIENCE

Full-Stack Developer & Automation Architect

Sep 2023 – Present

Futurenet Technologies India Pvt. Ltd. · Chennai

- Spearheaded **end-to-end AI model lifecycle** — dataset curation, QLoRA fine-tuning via Hugging Face PEFT, and production deployment on GPU infrastructure — delivering multimodal pipelines (text, voice, image) that reduced manual processing time by **~40%**
- Built a **RAG-powered conversational ERP assistant** using LangChain and pgvector integrated into Odoo backend; enabled hands-free voice-command operations and drove strong user adoption within weeks of launch
- Led development across **15+ Odoo modules** (Sales, Inventory, MRP, Accounting, CRM, HR & Payroll, POS, E-commerce, Helpdesk, Field Services) for enterprise clients handling **500+ concurrent users** and **10,000+ daily transactions** with near-zero downtime
- Architected cross-platform **intelligent agent ecosystem** across Android, iOS, Windows, Ubuntu, and macOS — managing **200+ devices**, reducing operational incidents by **~90%**, and saving **~\$50K annually**
- Designed multi-system integration platform connecting Odoo with payment gateways, telephony, e-commerce, and legacy systems — eliminated **~95%** of manual reconciliation and fully automated the order-to-cash cycle
- Built enterprise **Server Access Portal** with WebSocket SSH terminal, SFTP browser, AES-256 credential vault, RBAC, session recording, and full audit logging — reduced admin overhead by **~60%**
- Optimized PostgreSQL, Oracle, and MySQL environments handling **1M+ records** through advanced indexing and query planning, achieving **~70%** performance improvement
- Delivered **50+ dynamic QWeb reports**, XLSX exports, and BI dashboards; drove **70%** page-load improvement and **50%** server cost reduction through targeted performance engineering
- Mentored **5+ junior developers** in Python, Odoo architecture, and AI/ML through structured code reviews and knowledge-transfer sessions

SIGNATURE PROJECTS

AI Conversational Assistant

Fine-tuned LLM with RAG deployed into Odoo ERP. Multimodal pipelines (text, voice, image) — 40% faster data processing, hands-free ERP operations via voice commands.

Enterprise Odoo ERP Suite

15+ modules, 10,000+ daily transactions, 500+ concurrent users, 20+ integrations. 99.9% uptime across multiple enterprise clients.

Cross-Platform Agent Ecosystem

Intelligent agents across Android, iOS, Windows, Ubuntu, macOS. 200+ devices managed, 90% incident reduction, \$50K annual cost savings.

Server Access & Vault Portal

WebSocket SSH terminal, SFTP browser, AES-256 vault, RBAC, session recording. 60% faster administration, zero credential sharing.

ARCHITECTURE & ENGINEERING PILLARS

LLM Engineering

QLoRA fine-tuning, PEFT, Hugging Face, RAG pipelines, LangChain, pgvector, multimodal inference on GPU infrastructure.

ERP Architecture

Odoo v11-v19 Community & Enterprise. Custom ORM, QWeb, module architecture, MRP, and full-cycle enterprise integration.

Automation Engineering

Event-driven pipelines, webhook handlers, intelligent document processing, automated reporting — 60+ hrs/week effort eliminated.

Database & Performance

PostgreSQL, Oracle, MySQL at scale. Advanced indexing, query planning, replication — 70% query performance gain on 1M+ record sets.