Contact

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www.linkedin.com/in/joelwembo
(LinkedIn)
joelwembo.com (Portfolio)
github.com/joelwembo/ (Blog)

Top Skills

React.js

Zapier

Knowledge Engineering

Certifications

Telecommunications Senior
Engineer Certification

AWS Certified Solutions Architect –
Associate

Joel Wembo

Cloud Solutions Architect & AI Agent Developer @ prodxcloud | AI/
ML | Agentic Data Center Architect
Taguig, National Capital Region, Philippines

Summary

As a Certified Cloud Solutions Architect, Data Center Architect, and
AI Agent Developer, I design and deliver high-availability, agentic
architectures powering SaaS, PaaS, and enterprise data centers.

My work bridges Cloud, AI/ML, Data Center, Cisco Networking, and
Web Hosting — specializing in embedding AI Agents as a Service
(AaaS) into cloud infrastructures to drive automation, scalability, and
intelligence.

Core Achievements:

Architected enterprise data centers and multi-tenant SaaS platforms
with Cisco networking and modern cloud fabrics.

Designed and deployed PaaS and cloud-native systems on AWS,
Azure, and GCP using Terraform, Kubernetes, and serverless tools.

Built AI-driven SaaS solutions using LangChain, AWS Bedrock
AgentCore, and Google AgentSpace.

Led pre-sales and enterprise architecture initiatives, aligning
business goals with scalable, secure designs.

Experience

prodxcloud
4 years 10 months

AI Agent Developer
August 2024 - Present (1 year 3 months)
United States

Specializing in developing and deploying AI Agents as a Service (AaaS)

to automate and optimize operations for enterprise data centers and

cloud hosting providers. I design agent-based systems leveraging Google AgentSpace, AWS Bedrock AgentCore, LangChain, Go, Python, PyTorch, and TensorFlow, spanning NLP, ML, and Computer Vision for intelligent, scalable solutions across cloud and on-premise environments.

Cloud Solutions Architect
January 2021 - September 2025 (4 years 9 months)
San Francisco, California, United States

Consulted across enterprise projects, specializing in cloud-native infrastructure and multi-tenant SaaS platforms. Designed architectural blueprints integrating AI/ML services, documented large-scale data pipelines, and built CI/CD pipelines with Docker, Terraform, Kubernetes, and n8n. Automated deployments across AWS, GCP, and Azure, reducing deployment time by 70% and eliminating downtime during releases.

Led the design of a multi-tenant ecommerce SaaS platform using Terraform, Python, PostgreSQL, Data Center configuration, and Cloudflare. Managed tenant isolation, data partitioning, and security to support 10,000+ tenants with 99.99% uptime. Built the infrastructure architecture and integrated ML-driven recommendation, fraud detection, and pricing systems, processing millions of transactions daily.

Platform Engineer
May 2022 - November 2023 (1 year 7 months)
Remote

Self Employed
Artificial Intelligence Engineer
September 2025 - Present (2 months)
Toronto, Ontario, Canada

As an Artificial Intelligence Engineer, I design, build, and deploy machine learning, deep learning, and agentic AI systems addressing enterprise-level challenges across cloud and hybrid environments. My work spans the full AI lifecycle—from data ingestion and model training to deployment and client-facing solution design.

Key contributions:

Designed and deployed NLP, Computer Vision, AI Agent, and Generative AI models using PyTorch, TensorFlow, and Hugging Face for automation, predictive analytics, and agentic decision-making.

Built end-to-end ML/AI pipelines integrated with SaaS and PaaS platforms, enabling scalable training and inference across AWS, GCP, and Azure.

Developed unified MLOps workflows with CI/CD, Docker, and Kubernetes, embedding model versioning, monitoring, and explainability via MLflow, LangSmith, and OpenTelemetry.

Applied LangChain, MAP (Modular Agentic Planner), and vector databases (FAISS, ChromaDB, pgvector) to power LLM-based chatbots, knowledge search, and recommendation engines.

Collaborated with cross-functional teams (cloud architects, DevOps engineers, and data scientists) while enforcing VPN and firewall security for inference pipelines and data flows.

NOCLAND
Full-stack Developer
October 2022 - February 2024 (1 year 5 months)
Ontario, Canada

- Full-Stack Development
- DevOps and Cloud Engineering

Serino Systems, Inc.
Back End Developer
August 2021 - December 2021 (5 months)
National Capital Region, Philippines

Developed backend services using Node.js/Python with AWS (EC2, Lambda, API Gateway, RDS, SQS, SNS)
Built data engineering pipelines and ETL processes for real-time analytics
Implemented CI/CD automation using AWS DevOps tools (CodePipeline, CodeBuild)
Contributed to React application development

UBA Group
Senior Software Engineer
December 2018 - November 2021 (3 years)
United Kingdom

- Worked on modules involving large scale full stack Web application development.

- Developed CI/CD processes on Jenkins, utilizing Kubernetes and Docker for the runtime environment.

Sanmina
System Consultant
September 2017 - October 2018 (1 year 2 months)
Dallas, Texas, United States

Apple
Python System Analyst
July 2016 - August 2017 (1 year 2 months)
San Francisco, California, United States

Education

Indiana State University
Master's degree, Computer Science · (2014 - 2016)

Binary University
Bachelor of Science - BS, Computer Science · (May 2008 - November 2013)