JOEL OTEPA WEMBO

Cloud Solutions Architect & AI Agent Developer

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www.joelwembo.github.io | Permenant Residency : BGC, Taguig City, Metro Manila, Philippines

SKILLS

Kubernetes Pre-Sales
Data Center Architecture
Firewall & VPN Configuration
Zero-Trust Network Access
Bare Metal Provisioning
NVIDIA GPU Computing
Azure VM AWS ELB/ALB
Azure AKS / EKS AWS Lambda
Golang DDoS protection
GCP GKE API Cybersecurity
GPU Instances PyTorch
AI Models / LLM VMware ESXi
Azure Security ISO 27001
Proxmox VE KVM Citrix
Rack & Power Planning

Python Azure Landing Zone
Terraform Virtualization
GitHub Actions Docker
Django PostgreSQL AI/ML
n8n TensorFlow LangChain
Databricks Hybrid Cloud
Multi-tenant Infrastructure API

SUMMARY

Certified Cloud Solutions Architect & Agentic AI Engineer with 20+ years of experience designing agentic, multi-cloud architectures across AWS, Azure, and GCP. Expert in integrating AI Agents as a Service (AaaS) into enterprise cloud and data center infrastructures to drive automation, scalability, and intelligence. Proven track record delivering high-availability SaaS and PaaS systems, optimizing deployments by 70%, and leading AI/ML-powered architecture initiatives that align technical innovation with business outcomes.
Key Achievements:

- Architected enterprise data centers and multi-tenant SaaS platforms leveraging Cisco networking and modern cloud fabrics.
- Designed and deployed PaaS and cloud-native solutions on AWS, Azure, and GCP using Terraform, Kubernetes, and serverless technologies.
- Built AI-driven SaaS products utilizing LangChain, Anthropic Models, OpenAI, Azure AI Foundry, AWS Bedrock AgentCore, and Google AgentSpace.
- Led enterprise architecture and pre-sales engagements, translating business goals into scalable, secure technical solutions.

EXPERIENCE

Artificial Intelligence Engineer

Consultant - prodxcloud AI 09/2025 - Present San francisco, USA

Agentic Data Center Architect and Cloud Partner: Design, build, deploy AI systems for enterprise challenges in cloud/hybrid. Oversee AI lifecycle: from data ingestion, model training to deployment, and client solutions.

- Responsible for the complete AI lifecycle—including data ingestion, model training, deployment, and client-facing solution architecture.
- Developed and deployed NLP, computer vision, AI agent, and generative AI models using PyTorch, TensorFlow, and Hugging Face for automation, predictive analytics, and intelligent decision-making.
- Built scalable, end-to-end ML/AI pipelines integrated with SaaS and PaaS platforms, supporting training and inference workflows in AWS, GCP, and Azure.
- Engineered unified MLOps processes with CI/CD, Docker, and Kubernetes, incorporating model versioning, monitoring, and explainability using MLflow, LangSmith, and OpenTelemetry.
- Applied LangChain, Modular Agentic Planner (MAP), and vector databases (FAISS, pgvector) to enable LLM-driven chatbots, advanced knowledge search, and real-time recommendation engines.
- Collaborated with cloud architects, DevOps, and data scientists to enable inference and data flows. Ensured Zero Trust security and VPN/firewall protections.
- ***Tech Stack: Machine Learning, Deep Learning, AI Agents, NLP, Computer Vision, PyTorch, TensorFlow, Hugging Face, SaaS/PaaS Integration, AWS, GCP, Azure, MLOps, CI/CD, Docker, Kubernetes, MLflow, LangSmith, OpenTelemetry, LangChain, MAP, FAISS, pgvector, Zero Trust Security***

INDUSTRY EXPERTISE

Microsoft AZURE (Expert)

GOOGLE CLOUD PLATFORM (GCP)

Amazon Web Services (Certified)

LANGUAGES

English — Native

OTHER EXPERIENCES

Back-End & DevOps Engineer Serino 360 Philippines - August 2021, 5mo contracts

Data engineering by building Data pipelines and API using Kafka, SQS, SNS, and Python.

Python System Analyst Apple (San Francisco, USA) - 2016 - 2017

- Created automation scripts using Python to streamline repetitive tasks.

System Consultant Sanmina Corp (Dallas, Texas, USA) 2017-2018

Oracle Database, Excel and Python

EDUCATION

MS Computer Science

Indiana State University (USA)

2014 - 2016

BS Computer Science

Binary University of management and entrepreneurship (Malaysia)

2008 - 2013

EXPERIENCE

Cloud Solutions Architect – Agentic Data Center

Consultant - prodxcloud | 01/2021 - Present | California, United States

Specialized in developing and deploying AI Agents as a Service (AaaS) to automate and optimize operations for enterprise data centers and cloud hosting providers. Designed agent-based systems leveraging Google AgentSpace, AWS Bedrock AgentCore, LangChain, Go, Python, PyTorch, and TensorFlow, spanning NLP, machine learning, and computer vision for scalable, intelligent solutions across cloud and on-premise environments.

Key Responsibilities & Achievements:

- Consulted across enterprise projects, architecting cloud-native infrastructure and multi-tenant SaaS platforms integrating advanced AI/ML services.
- Designed and documented large-scale data pipelines; implemented robust CI/CD pipelines with Docker, Terraform, Kubernetes, and n8n.
- Automated deployments across AWS, GCP, and Azure, cutting deployment times by 70% and eliminating downtime during releases.
- Led the design and launch of a multi-tenant ecommerce SaaS platform supporting 10,000+ tenants and 99.99% uptime with tenant isolation, secure data partitioning, and compliance-driven security.
- Built infrastructure and ML-driven features including recommendation, fraud detection, and dynamic pricing, processing millions of transactions daily.
- ***Technologies used: Golang, Django, Typescript, Terraform, Jenkins, GitHub Actions, VPC, Docker, Kubernetes, AWS EKS, Apache Airflow, n8n, LangChain, ReactJS, AI Models, TensorFlow, PyTorch, Apache Kafka and Hugging Face Transformers.***

Senior Software Engineer

UBA Group LTD | United Kingdom | 2018 - 2021 | London, United Kingdom

Function as member of systems and architecture teams within a cross-functional software product organization, liaising between business stakeholders and engineering teams.

- Implemented security measures, including authentication and authorization mechanisms, using tools like SIEM, firewalls, and EDR to protect sensitive data.
- Designed and executed cloud migration plans, minimizing downtime and ensuring a smooth transition for diverse workloads.
- Leveraged cloud-native migration tools, data transfer services, and automation scripts.
- Incorporated virtualization technologies such as VM KVM, Libvirt, OpenStack, and Ansible for efficient handling of virtual machines during the migration process.
- Enhanced deployment speed by 40% by developing CI/CD pipelines using Jenkins, Kubernetes, and Docker for automated build and release of 5+ microservices.Deployed scalable CI/CD pipelines on Jenkins supporting
- Reduced manual deployment errors by 30% by creating automated CI/CD processes with Jenkins, Kubernetes, and Docker environments.