

HANSEN QUADROS

Backend Software Engineer | .NET | Python | Cloud

Email: hansenquadros@gmail.com | Phone: +971 52 213 3655

Location: Dubai, UAE | LinkedIn: linkedin.com/in/hansenquadros | GitHub: github.com/hansenquadros

PROFESSIONAL SUMMARY

Results-driven UAE-based Software Engineer with 5+ years of experience building scalable backend services, enterprise applications, and data platforms utilizing AI, ensuring best cybersecurity practices. Proven expertise in .NET Framework (Entity Framework, LINQ) and Python (FastAPI, Flask) with strong database skills (MS SQL, PostgreSQL, MongoDB). Successfully delivered B2B ecommerce platforms handling 3000+ SKUs and AI-powered analytics, reducing manual workflows by 70%.

TECHNICAL SKILLS

Backend & APIs: .NET Framework, C#, MVC, Entity Framework, LINQ, Python, FastAPI, Flask, Node.js, REST APIs, JWT, OAuth2, Postman

Databases: MS SQL Server, PostgreSQL, MongoDB, MySQL, Redis, CosmosDB, BigQuery, Firebase

Cloud & DevOps: GCP (Cloud Run, Pub/Sub etc), Azure (DevOps, Functions etc), AWS, Docker, Kubernetes, CI/CD, Git

Frontend & Other: React, TypeScript, Angular, JavaScript, Kafka, ETL Pipelines, Agile/Scrum, Jira

PROFESSIONAL EXPERIENCE

Software Engineer - AI Platform

ClearVue Dubai | Sep 2025 - Present | Dubai, UAE

UK-based AI company - Energy optimization through automation and analytics

- Built AI-powered Call Analysis Platform using React frontend and Node JS backend, enabling sales directors and managers to gain coaching insights, identify potential opportunities, and track performance at scale.
- Deployed microservices on GCP Cloud Run with autoscaling, using LLMs to extract objections, training gaps, and opportunity signals from sales calls.
- Implemented event-driven pipelines (Pub/Sub to BigQuery) for high-volume call metadata processing and analytics.
- Reduced sales manager workload by 70% by replacing manual call reviews with AI-generated insights and summaries.
- Automated energy contract generation workflows, reducing turnaround time and manual effort significantly.
- Designed production-grade services with observability, retries, and failure handling for reliable AI workflows.

Software Engineer & ERP Integration Specialist

Comco EPP Middle East DMCC | Jan 2024 - Aug 2025 (1 Year 8 Months) | Dubai, UAE

Global provider of advanced polymer solutions and engineering plastic products

- Built B2B ecommerce platform from scratch using .NET Framework, Entity Framework with LINQ, and MS SQL Server, managing 3000+ product SKUs.
- Implemented JWT-based authentication with role-based access control for secure customer accounts and admin access.

- Designed complete database schema using schema-first approach including product catalog, inventory management, and admin back-office modules.
- Developed mail template configuration system and direct ERP database integration for seamless data synchronization.
- Created pricing and margin application using Angular (TypeScript) and FastAPI, improving decision-making speed by 75%.

Software Engineer - Full Stack & Data Engineering

Graphene AI | Oct 2021 - Aug 2023 (1 Year 11 Months) | Bangalore, India

Singapore-based AI startup - Insights for Finance, Pharma, and FMCG domains

- Led 10+ end-to-end projects in Data Engineering and Full Stack Development, owning ETL pipelines and backend architecture.
- Implemented scalable ETL workflows using Python, CosmosDB, and Hive, reducing data processing time by 50%.
- Established CI/CD pipelines with Azure DevOps, cutting deployment times by 70%.
- Built Node.js backend services and Angular frontends for internal tooling and data preparation applications.
- Engineered dynamic mapping systems for unstructured and NoSQL data using Pydantic Models.

Software Developer - Full Stack

Webrino Business Software | Feb 2021 - Aug 2021 (6 Months) | Bangalore, India

Startup delivering Light ERP solutions for small and medium businesses

- Designed and delivered features for web-based ERP systems, contributing to 20% improvement in application performance.
- Conducted rigorous testing and debugging, ensuring 100% of projects completed on schedule.

KEY PROJECTS

> B2B Ecommerce Platform

.NET Framework, Entity Framework, JWT
3000+ SKUs with direct ERP integration

> AI Call Analysis Platform

React, Nod JS, GCP, LLMs
Coaching insights & opportunity detection

> Price List Generator

Angular, TypeScript, FastAPI
Reduced manual pricing time by 70%

> E2E Automation Pipeline

Python, Cosmos DB, N8N Orchestration
Data ingestion & ML model workflows

EDUCATION & CERTIFICATIONS

EDUCATION

MCA - R.V. College of Engineering
2018 - 2021 | Bangalore, India

BCA - St. Aloysius College
2015 - 2018 | Mangalore, India

CERTIFICATIONS

- ✓ IBM Cybersecurity Analyst Specialization
- ✓ AWS Fundamentals Specialization
- ✓ Google IT Support Professional