

## Senior AI Engineer | LLM & RAG Systems | Agentic AI Platforms

---

### Professional Summary

---

**AI Engineer & Senior Software Development Engineer** with over **18 years of enterprise engineering experience**, specialising in **production-grade LLM and RAG systems, agentic AI platforms, and intelligent workflow automation**. Hands-on expertise in **LangChain, LangGraph, Vertex AI, Python, and multi-agent architectures**, delivering measurable business impact — including a **30% reduction in support ticket volume** and response times from 4 hours to under 30 seconds.

Active participant in the international **Resilient AI Challenge** (UNESCO / France & India) and selected member of **Orange Group's Experts community in Data & AI**. Expert in bridging LLMs with backend engineering, vector databases, and retrieval systems to build scalable, reliable, and extensible AI-driven products. Proven track record across **Telecommunications, Financial Services, Manufacturing**, and more, consistently delivering high-impact projects on time and within budget.

### Key achievements

---




- **Agentic AI & LLM Systems (LangChain / LangGraph)**
  - **Production RAG Assistant:** Designed and deployed a Personalized User Assistant using Vertex AI, RAG, LangChain and LLMs (Python/Streamlit). Achieved **30% reduction in support tickets**, 92% user satisfaction, and response time from 4 hrs → under 30 seconds.
  - **LangGraph Agent Pipelines:** Building multi-agent systems with autonomous reasoning, tool orchestration, and modular RAG pipelines (indexing, chunking, embeddings, retrieval, generation).
  - **AI Documentation Agent:** Built a multi-agent system for Oracle PL/SQL + APEX codebases — auto-generates technical & functional documentation with change-detection logic. Saves hours per component.
- **Dino SprintSaurus — Dinootoo Assistathon Winner (Orange Services 2026)**
  - **Designed & Built:** AI assistant that ingests Jira/Clarity/PPTX data and auto-generates audience-adaptive presentations (Management / PM-PO / Technical). Sprint review: 2+ hours → under 5 minutes.
  - **Recognition:** Featured in official Orange Services LinkedIn communications. Won internal Dinootoo Assistathon competition.
- **Resilient AI Challenge — International Competition (2026)**
  - Competing in UNESCO / France & India governments challenge — Image-to-Text category using **Google Gemma 4** model compression, optimising accuracy-to-energy balance.
- **Orange Group Experts Community — Data & AI (2026)**
  - Selected for Orange Group's international Experts community. Completed "**Designing Agents with LangChain and LangGraph**", Public Speaking & How to Pitch, and Improve Your Relational Quality workshops.
- **Intelligent Workflow Automation (Camunda BPM)**

- **Architected & Integrated:** Spearheaded integration of Camunda BPM into the Orange Procurement Application with complex **BPMN 2.0 workflows** and **DMN decision tables**. Groovy scripts for Oracle DB integration reduced approval latency by **25%** with 100% policy compliance.
- **Camunda Migration:** Managed critical migration from Camunda v7.12.5 to v7.24.0, optimising Oracle DB integration for improved throughput and long-term stability.
- **Platform Migration & DevOps Excellence**
  - **8+ Zero-Downtime Migrations:** APEX v18 → 24.4, ORDS v18 → 24.4, Java 6 → 11, Gradle 3.3 → 9.2.1 — serving 500+ active users. Docker image size reduced by **45%** via multi-stage builds.
  - **Kubernetes & ArgoCD:** Transitioned from Rancher to Kubernetes with ArgoCD and HELM charts. Deployment time from 4 hours → 15 minutes; **40% acceleration** in deployment cycles, 99.9% uptime.
  - **Build Automation:** Migrated Gradle 3.3 → 9.2.1, achieving **65% build time reduction** and 80% fewer deployment errors; integrated TeamCity, Git, and JFrog Artifactory.
- **Mission-Critical Financial Systems**
  - **Banking Automation:** Engineered financial automation for Raiffeisen, BRD, processing **500M+ EUR annually** with 100% ANAF & Ministry of Finance compliance.
  - **Enterprise Integrations:** Bi-directional Oracle EBS–SAP synchronisation via SOAP/EDI, 99.8% accuracy across 10,000+ daily transactions. Implemented SEPA payment systems and EDI/EDIFACT solutions.

## Professional Experience




### 1. Orange Services — Senior Software Development Engineer / AI Engineer (Jul 2023 – Present)

- **Period:** Jul 2023 – Present
- **Domain:** Agentic AI Systems, LLM & RAG Engineering, Oracle APEX/Camunda/ORDS, DevOps Modernisation.

 Project	 Budget	 Impact & Responsibilities
<b>Agentic AI &amp; RAG Projects</b>	€30K – €50K	<p><b>AI Engineer Role (Apr 2025–Present):</b> Built production-grade Personalized User Assistant (Vertex AI, RAG, LangChain, Python/Streamlit). Result: <b>30% reduction in support tickets</b>, 92% satisfaction, 4 hrs → &lt;30 sec response.</p> <p><b>LangChain &amp; LangGraph:</b> Building multi-agent agentic systems with autonomous reasoning, tool use, and modular RAG pipelines.</p> <p><b>Dino SprintSaurus (Assistathon Winner 2026):</b> AI assistant ingesting Jira/Clarity/PPTX to auto-generate 5 audience types. Prep time: 2+ hrs → 5 min. Featured on Orange Services LinkedIn.</p> <p><b>AI Documentation Agent:</b> Multi-agent system for Oracle PL/SQL &amp; APEX codebases with automatic file-type detection, dual documentation output, and change-detection logic.</p> <p><b>Resilient AI Challenge:</b> Competing in UNESCO/France &amp; India international competition — Image-to-Text with Google Gemma 4.</p>
<b>Oracle APEX / ORDS &amp; Intelligent BPM</b>	€600K – €1.2M+	<p><b>Architecture:</b> Designed multiple BPMNs and DMNs using Camunda 7; Groovy scripts for Oracle DB integration. Role-based User Tasks reduced approval latency by 25% with 100% policy compliance.</p> <p><b>Migration:</b> Camunda v7.12.5 → v7.24.0, ORDS v18 → 21.3 → 24.4, APEX v18 → 22.1 → 24.4. 8+ zero-downtime migrations, 500+ active users.</p> <p><b>Impact:</b> 30% increase in operational efficiency, 40% decrease in document approval time.</p>
<b>Modernisation &amp; DevOps Automation</b>	€120K – €280K	<p><b>Cloud:</b> Rancher → Kubernetes with ArgoCD, HELM charts, custom Dockerfiles. Deployment time 4 hrs → 15 min; 99.9% uptime.</p> <p><b>Build:</b> Gradle 3.3 → 9.2.1 achieving 65% build time reduction. Docker multi-stage builds reduced image size by 45%.</p> <p><b>Tooling:</b> TeamCity + Git + JFrog Artifactory for automated versioning and artifact management. CI/CD time-to-production reduced 50%.</p>

## 2. MultiDataSoft S.R.L. — Oracle EBS Development & AI/Integration Engineer (Nov 2012 – Jun 2023)

- **Period:** Nov 2012 – Jun 2023 (10+ years)
- **Domain:** Oracle EBS R11/R12, System Integration, Platform Modernisation, AI-Ready Architecture.

 Project	 Budget	 Impact & Responsibilities
<b>Migration &amp; App Modernisation</b>	€250K – €400K	Migrated legacy ADF applications to Oracle APEX/ORDS + Camunda BPM stack, reducing codebase complexity by <b>70%</b> . Built custom BPMNs/DMNs for optimised approval workflows. <b>Result:</b> 40% reduction in document approval time via history-log optimisation.
<b>Core EBS &amp; Financial Solutions</b>	€1M – €1.5M+	<b>Banking:</b> Engineered mission-critical financial automation for Raiffeisen, BRD processing <b>500M+ EUR annually</b> . <b>Regulatory:</b> Developed PL/SQL frameworks for Reverse Factoring, Split VAT, Insolvency. <b>Compliance:</b> Statutory reporting fully compliant with Romanian legislation (EAM, GaaP, ANAF, Ministry of Finance).
<b>Integration &amp; Automation</b>	€250K – €550K	Bi-directional <b>Oracle EBS–SAP integration</b> via SOAP/EDI with 99.8% accuracy across 10,000+ daily transactions. SEPA payment systems. EDI/EDIFACT for 10,000+ monthly European logistics transactions. <b>Oracle 9i → Exadata 11g RAC:</b> Zero data loss, 60% query performance improvement.

## 3. PSE Siemens Brasov — Computer Programmer (Jul 2008 – Jun 2012)

- **Period:** Jul 2008 – Jun 2012
- **Domain:** Java & J2EE enterprise application development, Java Swing/AWT graphical interfaces, Asset Management Consulting.

## Key skills and competencies

---

### AI Engineering & Agentic Systems

- **LLM & Agents:** LangChain, LangGraph, Multi-Agent Systems, Autonomous Workflows, Tool Orchestration, Prompt Engineering, RAG Architecture.
- **AI Platforms:** Vertex AI, Gemini API, Google Gemma 4, Streamlit, MLOps (Model Evaluation, Vertex AI), Cloud Run, Vector Databases, NLP.
- **Python AI Stack:** Python (AI & automation), multi-agent orchestration, file-type detection, change-detection pipelines, dual documentation generation.

### Technical Proficiency

- **Programming Languages:** Expert in PL/SQL (12+ yrs), Java (4 yrs), Groovy (2+ yrs), Python (AI & automation), JavaScript/TypeScript, C/C++ (4 yrs).
- **Frameworks & DevOps:** Oracle APEX 24.4, ORDS 24.4, Camunda BPM 7.24, BPMN 2.0, DMN 1.3; CI/CD: TeamCity, Bitbucket, Gradle 9.2.1, JFrog Artifactory, Liquibase, Vault.
- **Cloud & Infrastructure:** Kubernetes, Docker (multi-stage builds), ArgoCD, HELM, AWS (EC2, S3, Lambda, ECS/Fargate), GCP (GKE, Cloud Run, Cloud Functions), Azure (VMs, Functions, Containers).
- **Enterprise Integration:** REST APIs, SOAP Web Services, EDI/EDIFACT, SAP Integration, SEPA Payments, Oracle EBS R11/R12, Oracle Exadata, RAC.

### Project Management & Methodologies

- **Agile & Waterfall:** 12+ years Waterfall, 6+ years Agile. Consistent delivery on time and within budget through rigorous code reviews and architectural oversight.
- **Technical Leadership:** Mentorship of junior developers, cross-functional team collaboration, strategic technical guidance.
- **Analytical & Communication:** Adept at articulating complex AI/technical concepts to non-technical stakeholders; dedicated to fostering collaborative, high-performing environments.

## PROFESSIONAL SKILLS

---

Language	Competence Level (CEFR)	Notes
Romanian	Native	–
English	C1 (Advanced)	Fluent in technical and business communication.
French	A2 (Basic/Beginner)	Basic reading and writing comprehension.
Other	Driving Licence: Category B	–

## Training and Professional Certifications

---

- **Universitatea Transilvania din Braşov** (2006 – 2010): Faculty of Electrical Engineering and Computer Science.
- **BEST Brasov** — Core Team Volunteer (pan-European student technology organization).

### AI & Cloud Technologies — AI Engineering Focus

- **Designing Agents with LangChain and LangGraph** — Orange Group International Experts Community, Apr 2026. Advanced RAG, LangChain ecosystem, LLM-based agents, agentic AI, modular RAG pipelines.
- **Gen AI Agents: Transform Your Organization** — Google Cloud Skills Boost, May 2026 (ID: 24069074).
- **Gen AI Apps: Transform Your Work** — Google Cloud Skills Boost, May 2026 (ID: 24064534).
- **Gen AI: Navigate the Landscape / Unlock Foundational Concepts / Beyond the Chatbot** — Google Cloud, May 2026.
- **Oracle Fusion AI Agent Studio Foundations Associate** — Oracle, Jan 2026 (1Z0-1145-1).
- **Professional Machine Learning Engineer Study Guide** — Google Cloud, Dec 2025 (ID: 21525251).
- **MLOps with Vertex AI: Model Evaluation** — Google Cloud, Oct 2025 (ID: 20578042).
- **Machine Learning Operations (MLOps) for Generative AI** — Google Cloud, Oct 2025.
- **Gemini for Application Developers / Gemini for end-to-end SDLC** — Google Cloud, Jan 2026.
- **Advanced Generative AI for Developers Learning Path** — Google Cloud, 2024.
- **Streamlit with Cloud Run and Gemini API / Get Started with Vertex AI Studio** — Google Cloud, 2024.
- **Cloud Fundamentals: AWS, Azure & GCP (CLI-First)** — NobleProg, May 2026 (21h hands-on; Auth: 94582). EC2, S3, Lambda, ECS/Fargate, GKE, Cloud Run, Cloud Functions, Azure VMs/Containers.
- **Microsoft Azure Fundamental AI Concepts** — Microsoft, 2024.

### DevOps & Architecture

- **Extending Kubernetes:** Implementing Kubernetes Extensions, Architecture Training, Design Patterns/Principles (2024).
- **SDLC Management:** Expert-level training in end-to-end SDLC using Gemini for application developers.

### Oracle & ERP Expertise

- **Oracle EBS R12.1:** Certified Financial Management & Supply Chain Management Sales & PreSales Specialist (2014).
- **Oracle Project Portfolio Management, MAF, Java Cloud Service** — Oracle certified (2014–2015).
- **E-Business Suite Support Specialist (v3.0)** — Oracle certified.

### Automation & Soft Skills

- **UiPath RPA Academy:** Agentic Automation, Maestro Process Operations, API Workflows, RPA Citizen Developer Foundation, Automation Solution Architect (Jan 2026).
- **Professional Development:** Conflict Management and Webinar Negociere (L&D) — leadership and communication efficacy.

## Recognition & Community Involvement

---

-  **Orange Group Experts Community — Data & AI** (Jan 2026–Present): Selected for Orange Group's international experts community, coordinated at Group level. Workshops: 'Improve Your Relational Quality', 'Public Speaking & How to Pitch', 'Designing Agents with LangChain and LangGraph'. Future mentor role for new colleagues.
-  **Dinootoo Assistathon — AI Assistant Design Competition** (2026): Designed Dino SprintSaurus — AI assistant auto-generating sprint reviews, resource reports, and project presentations from Jira/Clarity/PPTX data. Featured in official Orange Services LinkedIn communications.
-  **Resilient AI Challenge** (Apr 2026–Present): International AI model compression competition by UNESCO / France & India / Sustainable AI Coalition. Competing in Image-to-Text with Google Gemma 4.

## INTERESTS

---

- **Technology and Innovation:** Deeply passionate about AI, LLMs, agentic systems, and cloud computing. Active participant in tech meetups and webinars to stay at the forefront of industry trends.
- **Community Contribution:** Engaged in AI and open-source knowledge-sharing initiatives. Contributing to the broader AI engineering community.
- **Continuous Learning:** Dedicated to lifelong learning, pursuing certifications in AI, data science, and advanced programming (48 certifications and counting). Enjoys sharing knowledge with peers.
- **Outdoor Activities:** Enthusiastic about walking, cycling, karting, and swimming — a refreshing counterbalance to professional life.
- **Volunteering and Animal Welfare:** Volunteering at local animal shelters, assisting in animal care and promoting adoption initiatives.