EXPERIENCE IN AI

Frontier Models
- Composer 1.5 (Cursor AI)
- Opus 4.6
- Sonnet 4.5
- GPT-5.3 Codex
- GPT-5.2
- Gemini 3 Pro

Plugins
- MID plugin for MagicDraw (prompt to model)
- raiqon plugin for codebeamer (improve requirements)
- BMW plugin for MagicDraw (Artificial Engineer, ask the model, derive new information)

Plugins (owner)
- under construction

Frameworks & Languages
- langchain & langgraph
- langfuse
- langflow
- n8n
- BMW Gaia
- Typescript, Python, Groovy

Protocols
- MCP
- Claude Skills

Context Engineering
- UML / SysML to YAML / JSON / neo4j / RDF/OWL / TEXT
- Common Model Ontology

Development
- Typescript, Python, Groovy
- Google Antigravity
- Cursor AI
- Claude Code
- Google Firebase
- Google Stitch

Solutions & Services

- **Business Team Lead KIMBA MBSE:** Leading the development team in KIMBA (AI for model construction and requirements) regarding all business aspects; know-how transfer on MBSE in general and the way BMW does it; context engineering and data delivery from system models to KIMBA apps..
- **AI-Driven Modeling and Architecture:** Consulting on applying AI/ML techniques to Enterprise Architecture, Program, and Product Architecture, including automated generation, validation, and refactoring of Models.
- **Custom Tool and Plugin Development:** Developing bots and plugins that integrate AI functionalities with or into modeling tools (e.g., MagicDraw) for tasks such as deriving system models from requirements and vice versa, generating model elements and diagrams, generating test cases from requirements, and ask the model.
- **AI-Enhanced Data Exchange:** Solutions for improving Model Content Exchange (JSON, YAML) through intelligent mapping and data transformation based on a custom modeling ontology especially as part of AI context engineering.
- **RAG & RAFT:** Implementing Retrieval-Augmented Generation (RAG) and integrate provider of Fine-Tuning (RAFT) like raiqon for secure, current, and verifiable LLM responses.
- **AI-Enhanced Reverse Engineering:** Solutions for using AI to streamline and automate reverse engineering from various sources (DDL, Java, JSON, XSD).
- **Frontier Model Integration & Customization:** Services for integrating and customizing large language models like ChatGPT and other Frontier Models into enterprise workflows, focusing on secure data handling and fine-tuning for requirements, system models, and test cases.
- **Integration with AI-Ready Ecosystems:** Services to integrate existing tool chains (Confluence, JIRA, GitHub) with AI platforms and services, enabling AI-powered search, documentation, and development lifecycle management.