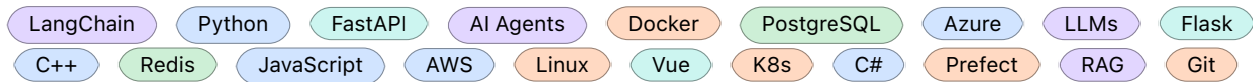


# Michał Michalski

## CTO & Lead AI Software Engineer

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Hands-on engineering leader building agentic automation, high-throughput data pipelines, and production ready LLM systems. Co-founded Fractile (acquired by T12); Currently leading [IntelliRoom](#) - AI Due Diligence platform.



## Work Experience

### T12 Inc — CTO / Lead AI Software Engineer

01.2025 – present

LLM, LangChain, Python, JavaScript, FastAPI, Redis, PostgreSQL, MongoDB, AWS, Docker, K8s

- Leading [IntelliRoom](#) development - AI Due Diligence platform.
- Productizing LLM techniques to improve accuracy/UX; preparing core IP (patent pending).
- Optimizing infrastructure costs (cut AWS spending in half).

### Scalo — Lead AI Software Engineer (Contract)

03.2025 – present

LLM, LangChain, Python, Flask, Prefect, Docker, Redis, PostgreSQL, Azure, Jira API

- Built multi-source LLM-agent pipeline automating reporting and project insights.
- Unified ERP/CRM/PM ingestion with Prefect flows, Redis, and Azure.
- Shipped LangChain + Flask services cutting manual report prep for PMs.

### Fractile sp. z o.o. — Co-founder & CTO / Lead Developer

05.2024 – 03.2025

LLM, GPT, LangChain, LlamaIndex, Python, FastAPI, Flask, Vue, Docker, K8s, PostgreSQL, Azure

- Built Agentic RAG platform for B2B customers (acquired).
- Led R&D effort to develop novel methods and tools for improving AI agents.
- Orchestrated Fractile's acquisition by T12 Inc and transitioned platform IP and roadmap.

### Microsoft — Software Engineer II (FTE)

05.2023 – 06.2024

C#, Azure, Service Fabric, Kusto, Cosmos DB, Event Hubs, ADLS Gen2, ChatGPT, Azure AI Services

- Delivered features and fixes for a large-scale distributed data processing service.
- Led live-site monitoring and on-call, improving service reliability.
- Mentored new hires; contributed ChatGPT/Azure OpenAI side project.

### P&P Solutions — Senior Software Engineer (Contract)

01.2023 – 02.2024

C++, Python

- Maintained and enhanced an airline optimization engine with advanced features.
- Introduced Python/pytest E2E tests; standardized quality with Clang tools.
- Prototyped a metaheuristic alternative to the core algorithm.

<b>Career Break</b> — <i>newborn child</i>	10.2021 – 12.2022
<b>ActiveVideo Engineering</b> — <i>Senior Software Engineer (FTE)</i> C++, Python, Elasticsearch <ul style="list-style-type: none"> <li>• Built HTTP proxy for remote OpenGL rendering in AppCloud.</li> <li>• Created an end-to-end test framework improving reliability.</li> </ul>	08.2020 – 09.2021
<b>Samsung Research and Development</b> — <i>Software Engineer (Contract)</i> C++, JavaScript, Python, WebGL, Doxygen, API design, JIRA, OpenCL, Bixby <ul style="list-style-type: none"> <li>• MediaController module owner for Tizen Web API; major contributor.</li> <li>• Shipped <a href="#">EWIDL</a> - documentation management system used in Tizen API.</li> <li>• Optimized ToF sensor software in flagship smartphone;</li> </ul>	09.2018 – 06.2020
<b>Nokia</b> — <i>Software Engineer (Contract)</i> C++, Python, TTCN3, Flask, SQLite, SQLAlchemy, Crucible/Fisheye API <ul style="list-style-type: none"> <li>• Developed LTE base-station components with robust system tests.</li> <li>• Automated workflows; active in code reviews and SCRUM.</li> </ul>	03.2017 – 08.2018
<b>Hewlett-Packard Enterprise</b> — <i>Designer / Backend C++ Developer (FTE)</i> C++, Python, Bash, Informatica <ul style="list-style-type: none"> <li>• Backend C++ for airline reservation systems; workflow automation.</li> <li>• Supported a Rolls-Royce big-data processing system.</li> </ul>	02.2016 – 02.2017
<b>Zylia</b> — <i>Research &amp; Development Software Engineer (Intern → FTE)</i> C++, Python, JavaScript, Django, Celery, AWS, GStreamer <ul style="list-style-type: none"> <li>• Built STB OS components and multimedia processing pipelines.</li> <li>• Researched audio algorithms; implemented H264 watermark decoder.</li> </ul>	06.2014 – 02.2016

## Education

<b>Poznań University of Technology</b> — <i>Computer Science</i>	2012 – 2016
<ul style="list-style-type: none"> <li>• B.Sc. Computer Science coursework completed without obtaining a degree.</li> </ul>	