

Ondrej Hruby

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PROFESSIONAL SUMMARY

Software Engineer with strong **AI focus** and **experience delivering production systems in regulated and enterprise environments**.

Led end-to-end development of AI-enabled platforms, spanning backend, frontend, cloud infrastructure, and AI pipelines, in close collaboration with product and business stakeholders.

Shipped **reliable, scalable AI-driven solutions used by 600+ active users**, translating business requirements into maintainable, production-grade systems.

TECHNICAL SKILLS

Software Engineering: Python, JavaScript/TypeScript, React, Next.js, React Native, FastAPI, Django, REST API, Node.js

AI / ML: LLMs, RAG, Prompt Engineering, Neural Networks, Tensorflow, PyTorch, Classification, STT/TTS

Infrastructure & DevOps: PostgreSQL (Supabase), Docker, CI/CD, DigitalOcean, Vercel, Git, Terraform

EXPERIENCE

KlartextAI — Vienna, Austria

Founding Engineer / Lead Software & AI Engineer

Mar 2025 – Present

- **Led design and delivery of multiple production AI systems**, contributing to architecture, technology selection, and cloud infrastructure decisions.
- **Led development of an AI-driven PDF/UA compliance platform** used by enterprise clients including **PwC**, automating document parsing, tagging, remediation and **reducing manual accessibility effort by ~70–90%**.
- Designed evaluation and quality-control pipelines combining **VLM/OCR parsing (Docling)**, **veraPDF** validation and human-in-the-loop review to ensure correctness and control **hallucination risk** in high-stakes workflows.
- Delivered an **LLM-driven** grant proposal generation system serving **600+ active business users**, using **RAG** to ground outputs, supporting thousands of applications and **€50M+ in secured funding**.
- **Collaborated closely with product owners, stakeholders, and engineers**, coordinating delivery and supporting technical decision-making across projects.

Next Generation Sensors — Maastricht, Netherlands

Full-Stack Developer / Data Engineer

Sep 2023 – Jul 2024

- Built **Python-based microservices** and **Angular dashboards** for **real-time** industrial sensor systems.
- Improved operational monitoring and control, increasing efficiency by **~30%**.

Yookr — Venlo, Netherlands

Lead AI Engineer

Aug 2022 – Jan 2023

- Led ML development for CNN-based crop yield prediction, improving forecast accuracy by **~25%**.

EDUCATION

BSc Computer Science (Software Engineering) — Fontys University of Applied Sciences, Netherlands,

MSc Data Science & Artificial Intelligence — *Remote, Part-Time, (in progress), European Higher Education Institute*

References available upon request.