Nicolas **Vietor**
Software developer

About me

Working towards a goal helps me feel alive. That is why I love challenges, learning and constant progress. Be it professionally or in one of my hobbies such as powerlifting, triathlon, cooking or meditation

Personal

Nicolas Vietor
12.10.1993

Skills

Python · Go · JavaScript · HTML · CSS · Svelte · Redis · Elasticsearch · PostgreSQL · Gitlab CI/CD · Docker · AWS

Interests

Process optimization
Fullstack development
Machine learning

Languages

German : native
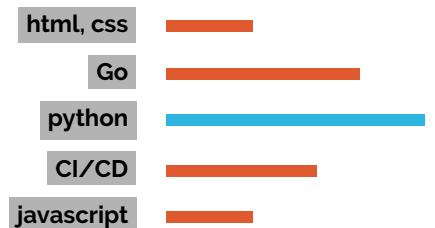English : fluent
French : basic

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Short Resumé

2022–current — **Software Developer Backend**
DATAAHEAD AG
Software developer specializing in backend development, primarily using Python, with additional experience in Go. Responsibilities include DevOps, project management, deployment and maintenance of customer instances, technical support in sales calls, customer communication, as well as full-stack and AI development in research projects.

2020–2022 — **Master Computer Science / Working Student**
FAU / DATAAHEAD AG
Development of APIs in Python, development of complex and performance sensible calculation services in Go, maintenance and development of deploy pipelines, deploy and maintenance of customer instances

2017–2019 — **Working Student / Project Manager**
GSO / Rödl & Partner
VBA development, development of a new Business Intelligence Platform using PowerBI and Python, Introduction of new Enterprise Architecture Tool, Bachelor Thesis: Concept of a Blockchain based Smart Grid energy trading platform

Degrees

2023 — **M.SC. Computer Science**
Friedrich Alexander Universität

2019 — **B.SC. Business Computer Science**
TH Georg Siemon Ohm

Programming

Skill	Level
html, css	▬▬
Go	▬▬▬▬
python	▬▬▬▬▬
CI/CD	▬▬▬
javascript	▬▬

Projects

2020–2025 — **SaaS Development - PROCESSHAWK**
Python, Go, CI/CD, Docker, Elasticsearch, Redis
Designed and developed Python APIs and functionalities, along with data pipelines for preprocessing and precalculations in Go, leveraging Elasticsearch and Redis within a large-scale SaaS product for process mining. Managed deployment and maintenance using CI/CD and Docker.

2023–current — **AI for CO2 Optimization**
Svelte, Reinforcement Learning, FastAPI
Master's thesis on Job Shop Scheduling using Deep Reinforcement Learning (RL), including anomaly detection, as well as the design and development of a Svelte UI and FastAPI API for training and testing an RL agent.

2024–current — **ML OPs**
Python, Pandas, Numpy, Pytorch
Data and correlation analysis, predictive modeling using Random Forest and ensemble learning. Employed Autoencoder for process health indication and anomaly detection.

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