



Dominik Stiftinger-Lang

Senior Backend & AI Systems Engineer
Go, Python, Claude Code, MCP

📍 Graz, Austria

📞 +43 664 5009429

✉️ dominik.lang@chainbrain.fi

🌐 in/dominik-stiftinger-lang

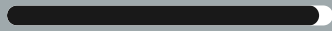
:: Profile summary

Senior engineer and mathematician with nine years in production financial systems. I have led software teams of 4-8 for several years as Product Owner and Scrum Master while remaining hands-on in architecture and implementation.

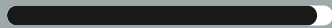
Contracting via ChainBrain FlexCo
Remote from Graz, Austria

:: Expertise

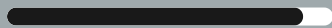
Go & Distributed Systems



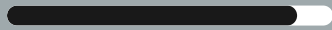
Trading & Risk Systems



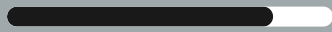
PostgreSQL & APIs



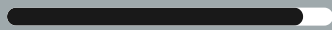
AI-Assisted Engineering



Python & Machine Learning



Technical Leadership & Delivery



:: Engagement

Available

1 September 2026

Capacity

30-40 hours per week

Standard remote rate

EUR 120/hour excluding VAT

Contract model

B2B via Austrian FlexCo

:: Languages

German

Native

English

Fluent

:: Selected Projects

2026 - present
ChainBrain FlexCo

AI-Assisted Software Delivery and Quality Control

AI-Assisted Engineering Lead / Systems Architect

- Claude Code and Codex workflows, multi-agent orchestration, reusable skills, and MCP-based tools.
- Evidence-based branch verdicts for AI-generated changes in a financially sensitive Go monorepo.

2022 - present
ChainBrain FlexCo

Distributed Portfolio Management and Trading Platform

Co-Founder, Lead Backend Engineer and Architect

- Led software teams of 4-8 as Product Owner and Scrum Master across product priorities, sprint delivery, architecture, and implementation.
- Production Go platform with Temporal workflows, PostgreSQL, gRPC, OpenAPI, and live client capital.
- Architecture spanning portfolio construction, execution, reconciliation, reporting, and regulated boundaries.

2024 - 2026
Confidential deployment

Multi-Venue Order Management and Execution

Lead Engineer

- Five exchange integrations, order lifecycle, reconciliation, exposure controls, and execution-quality measurement.
- Sub-1 bps median implementation shortfall across production spot and futures rebalancing.

:: Technical Focus

- Go and Python
- Distributed Systems
- PostgreSQL and Temporal
- Docker and GitLab CI
- Team Leadership
- Claude Code and Codex
- MCP and AI Agents
- REST, gRPC and OpenAPI
- Secure Software Delivery
- Product Ownership and Scrum



:: Core Technologies

Languages	Architecture	Leadership & Delivery
Go	Distributed systems	Teams of 4-8
Python	Temporal workflows	Product ownership
SQL	REST, gRPC, OpenAPI	Scrum Master
TypeScript / JavaScript	WebSocket	GitLab CI

:: Project History

ChainBrain FlexCo, Graz

2026 - present

AI-Assisted Engineering Lead / Systems Architect

- Designed multi-agent workflows with bounded roles for implementation, codebase research, test generation, security and financial-flow audits, and independent verification.
- Standardized Claude Code and OpenAI Codex through reusable skills, task specifications, ownership rules, structured handoffs, and persistent engineering knowledge.
- Integrated MCP-based tools for knowledge retrieval and operational workflows, including a Python knowledge service over structured project documentation.
- Designed an evidence-based QC harness with static and unit checks, debt and reuse analysis, traceable findings, and explicit branch verdicts.

Technologies: Claude Code, OpenAI Codex, MCP, Go, Python, Bash, GitLab CI, Linux

ChainBrain FlexCo, Graz

2022 - present

Co-Founder, Lead Backend Engineer and Architect

- Led software teams of 4-8 as Product Owner and Scrum Master, translating product and stakeholder goals into backlog priorities, sprint scope, architecture decisions, and coordinated delivery.
- Architected and implemented distributed Go services with Temporal workflows, PostgreSQL persistence, gRPC and OpenAPI interfaces, and idempotent financial processing.
- Designed service and data boundaries for portfolio construction, account state, execution, reconciliation, reporting, and client-facing APIs.
- Implemented Docker and GitLab CI delivery, Vault and Consul infrastructure, monitoring, incident response, and controlled secrets handling.
- Defined a MiCA-aware architecture with explicit custody, authorization, customer-controlled execution, hosted analytics, and audit boundaries.

Technologies: Go, Python, PostgreSQL, Temporal, gRPC, OpenAPI, REST, Hasura, Docker, GitLab CI, Vault, Consul

ChainBrain FlexCo / confidential professional asset-management deployment

2024 - 2026

Lead Engineer, Multi-Venue Order Management and Execution

- Built REST and WebSocket integrations for Binance, Kraken, Bitfinex, Poloniex, and OKX, including venue-specific order semantics and recovery behaviour.
- Developed order-lifecycle state machines, fill and balance reconciliation, exposure controls, a B-tree orderbook, and execution-quality measurement.
- Operated production spot and futures rebalancing with sub-1 bps median implementation shortfall and no exposure-limit breaches.

Technologies: Go, PostgreSQL, Temporal, REST, WebSocket, gRPC, Docker



:: Earlier Experience

Nerox GmbH, Graz

2019 – 2022

Head of Quantitative Finance, later Chief Risk Officer

- Developed portfolio optimization, factor, and machine-learning models and moved them into production data and trading workflows.
- Built TensorFlow models, PostgreSQL pipelines, rebalancing logic, and operational risk controls.
- Owned quantitative design, validation, deployment, and communication with business stakeholders.

Technologies: Python, TensorFlow, PostgreSQL, SQL, Go, optimization methods

Nerox GmbH, Graz

2017 – 2019

Software Developer

- Implemented low-latency trading strategies and Go exchange adapters using REST and WebSocket market-data and order APIs.

Graz University of Technology

2020 – 2021

Research Assistant, Institute for Theoretical Computer Science

- Research on spiking neural networks resulting in the publication listed below.

:: Education

In progress

University of Graz

PhD Mathematics

Portfolio optimization under DeFi protocol constraints

2017 – 2019

Graz University of Technology

MSc Mathematics

Numerical methods for partial differential equations

2013 – 2017

Graz University of Technology

BSc Mathematics, Technomathematics

:: Selected Publications

2025

A Multi-Factor Investment Framework for Crypto Asset Management

Crypto Valley Association Research Journal. Best-rated paper of 12 submissions.

2021

Structure induces computational function in networks with diverse types of spiking neurons

Stoeckl, Lang, Maass. bioRxiv 10.1101/2021.05.18.444689.

2019

A Study of Boundary Element Methods for Electrostatic Transmission Problems

MSc thesis, Graz University of Technology.

