

LUCIO SURCO TAYPE

Helsinki, Finland | +358 40 668 8104 | lucio.surcotaype@outlook.com

Portfolio: lucio.st.dev | GitHub: github.com/lurco-t | LinkedIn: linkedin.com/in/lucio.st

Software Engineer and Hive Helsinki graduate with a foundation in C/C++ systems programming and hands-on experience building full-stack backend services. Background in Business Administration prior to engineering, bringing strong communication and cross-functional collaboration skills alongside a focus on performance, reliability, and clean architecture. Recently placed top 10 of 130 teams (peaking #1 on the qualifying ladder) at the Florent Code League 2026, a Nordic-wide competitive programming tournament.

TECHNICAL SKILLS

Programming Languages:	C, C++, Go, Python, TypeScript
Frameworks & Tools:	Gin, React, Next.js, Linux, Bash, Git, GitHub Actions, Docker
Databases:	PostgreSQL, MySQL, MariaDB
Languages Spoken:	English (fluent), Spanish (Native), Finnish (Upper Intermediate)

PROJECTS

Price Order Matching Engine | C++, REST API

- Built a price-time priority order matching engine simulating stock exchange order-book execution.
- Implemented matching logic optimized for accurate and deterministic processing of buy/sell orders.
- Integrated backend with a React/Next.js frontend using REST API communication.
- Focused on performance, reliability, and efficient data handling.

Full-stack web application | TypeScript, Go, Gin, PostgreSQL

- Implemented secure authentication, authorization, and session management mechanisms.
- Collaborated with frontend developers to define API contracts and integrate backend services with a React/TypeScript client.
- Improved reliability through automated testing, debugging, and performance optimization.

Telemetry System | C++

- Built a multithreaded telemetry engine collecting simulated sensor data into a thread-safe circular buffer.
- Protected shared state with `std::mutex` and `std::atomic`, avoiding race conditions between threads.
- Validated thread safety with Valgrind/Helgrind and an automated CI pipeline.

EDUCATION

Software Engineering Programme | Hive Helsinki | Apr 2025 – June 2026

- Project-based curriculum focused on C, C++, algorithms, data structures, and low-level systems programming.
- Practical peer-to-peer learning environment emphasizing problem solving, debugging, and software reliability.

Bachelor of Business Administration | Tampere University of Applied Sciences | Aug 2019 – Dec 2022

- Major in Finance and Business Development, focused on financial analysis, business strategy, and organizational growth.

PROFESSIONAL EXPERIENCE

Business Operations & Entrepreneurship

- Coordinated international raw material exports across Europe and Asia.
- Managed operational data, stakeholder communication, and business processes.
- Contributed to workflow improvements and internal operational efficiency.
- Developed analytical and cross-functional problem-solving skills in fast-paced environments.