Kalle Laitinen

Full-stack engineer · Helsinki, Finland

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kalaitinen.dev

Full-stack engineer who builds end-to-end products that seamlessly fit into people's lives. From cloud to interface, I bridge the entire stack to craft the right solution and get things done.

EXPERIENCE

2026 – present

Zenniz · Smart tennis `Product Developer`

Building the best smart tennis experience.

zenniz.com TIME Best Inventions 2026

2023 – 2026

Doublepoint · Gesture recognition · acquired by Oura `Software Engineer`

Built and led the software platform behind world-class gesture recognition: gathering raw biosignal data and turning it into embedded gesture models. Joined as the second engineer, owned the product for the final six months.

Acquired by Oura TIME Best Inventions 2025

2023 – 2024

Confidential Mind · RAG chatbot platform `Software Engineer`

Built a RAG platform that turns an organization's own documentation into an AI assistant. Worked on the pipeline from document indexing to low-latency streaming, with every answer showing the exact passages it came from.

confidentialmind.com

2023

Tutka · Haptic navigation device `Design & Development`

Co-designed and built a handheld haptic wearable that helps visually impaired users sense their surroundings indoors. Worn on a wrist strap, it measures live distances wherever you point it and translates proximity into vibration feedback for everyday use.

2022 – 2023

Aalto University · O1 course `Research Assistant`

Developed interactive, gamified learning modules for O1, Aalto's introductory programming course taken by over 1,000 students. Tested them directly with students and used survey feedback to refine the material.

SKILLS

Programming	TypeScript · Python · Go · Dart · SQL · Swift · Kotlin · C++
Frontend & mobile	React · React Native · Flutter · WebAssembly (Emscripten)
Backend & data	Node.js · Bun · Flask · gRPC · tRPC · PostgreSQL · MongoDB
Cloud & infra	GCP · AWS · Docker · Terraform · nginx · Tailscale · Firebase · CI/CD
Hardware & AI	Bluetooth/BLE · Firmware integration · RAG/LLM applications

EDUCATION

2020 – 2024	B.Sc. Computer Science · Aalto University, Espoo
2023	Exchange, Information Management · Nova IMS, Lisbon