

Tamás Dániel György

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I've been building software for more than ten years – from microcontroller firmware and Linux drivers through ERP backends and mobile apps to cloud infrastructure. I quickly understand complex systems, I enjoy designing an architecture from scratch, and I'm just as comfortable taking over code someone else left half-finished. I've led small teams, mentored developers and taught programming at two universities, and I've worked fully remotely since 2018.

■ EXPERIENCE

Self-employed · client work and own projects 2021 – now

- Currently developing microservices at Telekom (Kotlin, Docker, Kubernetes, Helm, Elasticsearch); scoping projects and responsible for delivering them.
- Led a crypto trading platform end to end (Node.js, TypeScript, ML components): shaped the technical solution and the business logic with the client, and mentored a junior developer.
- Brought automated unit and E2E tests into the CI/CD pipeline of KÉSZ Group's .NET ERP system, with consistent quality checks and clear release criteria.
- Coordinated the WAGO smart home controller – a web app (JavaScript, Vue.js) driving WAGO's own PLCs – planning with WAGO engineers and leading internal and external contributors.
- Developed and launched mobile apps (Kotlin, Swift, Firebase, Python), including ongoing work on the WowStuff app, and handled day-to-day communication with clients and marketing partners.
- Founded magicStick, a hardware startup: assembled seven freelancers (embedded software, hardware, industrial design, video) and owned the architecture, financial planning and go-to-market. The fundraising didn't succeed – I learned a great deal from it.
- Backend (.NET, MySQL), DevOps and Vue.js work for smaller clients, with thorough documentation.

Flowtion Business Solutions · senior software developer 2018 – 2023

- Led backend development of a cloud-based ERP and process-automation framework for mid-sized and large companies (.NET, C#, MS SQL), owning the algorithms behind the business processes.
- Designed REST APIs (Swagger) and automated operations with PowerShell and Azure services, with unit tests throughout.
- Coordinated a full UI redesign: led the in-house frontend developers and worked with an external UX team.
- Took on system administration and client communication, including regular work with the international IT teams of large enterprise clients, and had a real say in architectural decisions.

Evosoft · software developer & tester 2016 – 2018

- Tested Siemens' SCADA platform – software responsible for factory safety – writing integration and smoke tests according to ISTQB principles.
- Moved to the team porting the product to Linux (C++, Qt, CI/CD); our three-person team met every target. Agile, Jira.
- Side project for Girls' Day: designed the architecture, wrote the firmware and did the wiring for a jukebox built from old floppy drives, used to demo the SCADA system.

■ EXPERIENCE, CONTINUED

Telemetering · embedded software developer 2014 – 2016

- Joined as an intern; when most of the engineers left in my first month, I took over the firmware of an IoT smart electric meter and carried it through its full life cycle – hundreds of units were produced.
- STM32 microcontrollers, embedded Linux, a Linux driver, and mathematical models for complex metrology problems.

Robert Bosch · trainee 2013 – 2014

- Embedded C development on NXP controllers: a tester for car dashboards.

■ TEACHING & GIVING BACK

2019 – 2020 **Szilágyi Erzsébet Children's Home** – volunteer: weekly maths and physics tutoring, and organising an IT summer camp.

2016 – 2017 **University of Dunaújváros** – C# programming labs (OOP basics) for two semesters, plus a lecture on communication between applications.

2012 – 2014 **Óbuda University** – taught C, Assembly and 8-bit microcontroller programming.

2009 – 2014 **Private tutoring** – maths, physics and programming, from exam preparation to competitions.

■ EDUCATION

BSc, Electrical Engineering 2011 – 2017

Óbuda University, Kandó Kálmán Faculty of Electrical Engineering

Thesis: *anna*, a home-automation system that woke me with coffee or vinyl, depending on my first calendar event of the day.

■ COMPETITIONS

2016 **Mérnökfutam** engineering race – **1st place**

2015 **Magyarok a Marson** robot competition – 6th place, with a robot built in 24 hours

■ SKILLS

Languages	C# / .NET, JavaScript, TypeScript, Node.js, Vue.js, Python, Kotlin, Swift, C, C++ (Qt), Assembly
Data	MS SQL, MySQL, PostgreSQL, Firestore (NoSQL)
Cloud & DevOps	Docker, CI/CD (Drone CI), Azure, AWS, Firebase, Linux, PowerShell, Bash
Embedded	STM32, NXP controllers, embedded Linux, Linux drivers, close work with hardware teams
Quality	Unit, integration and E2E testing, ISTQB principles, clear technical documentation
Working with people	Mentoring, leading small teams, client and stakeholder communication, remote-first and async work, Agile, Jira

■ LANGUAGES

Hungarian – native

English – professional; daily written and spoken work with international clients and teams

■ OUTSIDE WORK

- Making things by hand: crochet, embroidery, LEGO – and vegetables and flowers in a small kitchen garden.
- Active rest: hiking, climbing, kayaking, cycling, and slowly learning to surf.
- Every year I spend a month in another country with my wife, living like a local and working remotely.
- Retro video games, and making videos for family and friends.