

PROFESSIONAL SUMMARY

Full-Stack Developer with a B.Sc. in Computing Technologies (Roehampton University) and proven experience designing and shipping fast, AI-integrated web applications, real-time telemetry systems, and interactive developer tooling. Experienced across TypeScript, JavaScript, Python, Go, Node.js, and SvelteKit. Combines strong software engineering fundamentals with practical background in logistics data systems, IT operations, and end-to-end web deployment. Focused on measurable performance, strict type safety, and clean system architecture.

CORE COMPETENCIES

- **Frontend & Interactive:** Svelte / SvelteKit 2, TypeScript, JavaScript (ES6+), Tailwind CSS, HTML5 Canvas 2D, React, Vue
- **Backend & Systems:** Go, Node.js, Python, WebSockets, RESTful APIs, TimescaleDB, PostgreSQL, Redis, Docker
- **AI & LLM Engineering:** Multi-Agent Orchestration, Google Gemini API, Model Context Protocol (MCP), Tool Calling, Context Optimization
- **Architecture & DevOps:** Linux Kernel Metrics (/proc, sysfs), CI/CD, Git, System Monitoring, Cloudflare, Web Performance (Lighthouse 90+)

PROFESSIONAL EXPERIENCE

2023 – Present

Budapest, Hungary (Remote)

Full-Stack & Systems Developer — Freelance / Independent Practice

- Engineered autonomous developer tooling and AI agent workflows with Gemini API, Claude API, and OpenAI endpoints, creating production-grade multi-model code review and testing pipelines.
- Built and maintained high-performance web applications and landing pages using SvelteKit, TypeScript, and modern CSS architecture with 90+ Lighthouse mobile audit scores.
- Implemented secure REST and WebSocket services for real-time telemetry streaming, interactive canvas visualizations, and responsive dashboard reporting.

2022 – 2023

Budapest, Hungary

Systems & Logistics Coordinator — Liegl & Dachser Logistics

- Coordinated mission-critical logistics data processing, ensuring high data accuracy and zero SLA breaches across fast-paced European distribution lines.
- Automated repetitive operational reporting using custom Python data processing scripts and Excel macros, reducing weekly manual report preparation time by 30%.

2021 – 2022

Budapest, Hungary

IT Operations & Infrastructure Specialist — PC & Network Systems

- Automated routine infrastructure deployment workflows and user account provisioning using Python and bash scripting.
- Maintained corporate network connectivity, workstation lifecycles, and database backups with 99.8% uptime.

KEY ENGINEERING PROJECTS (2026)

2026 Open Source	Gemini Advisor — Multi-Model Agent Orchestration Framework Stack: Node.js, TypeScript, Google Gemini API, MCP (Model Context Protocol), Zod • github.com/Norbert-Brett/gemini-advisor.git - Architected a capability-routed multi-model developer agent framework cutting LLM token consumption by 12–18x by delegating mechanical file edits to lightweight Flash models. - Separated high-reasoning architecture planning (Pro) from code generation, enforcing machine-auditable 5-part implementation contracts and independent read-only diff reviews.
2026 Open Source	Real-Time System Monitoring Platform — Low-Overhead Observability Stack: Go, Node.js, WebSockets, TimescaleDB, Docker, SvelteKit • github.com/Norbert-Brett/system-monitoring-system.git - Engineered an ultra-low footprint Go kernel daemon (<15MB RAM) streaming Linux host telemetry (/proc, sysfs) with sub-50ms latency without external runtime overhead. - Designed multiplexed delta-compressed WebSocket pipeline handling 50,000+ events/sec coupled with automated downsampling in TimescaleDB for sub-second query speeds.
2026 Open Source	Interactive Algorithm Visualizer — Hardware-Accelerated Engine Stack: TypeScript, HTML5 Canvas 2D, Web Workers, Svelte, Tailwind CSS • github.com/Norbert-Brett/algorithm-visualizer.git - Built a hardware-accelerated Canvas 2D rendering pipeline maintaining steady 60 FPS across 10,000+ simultaneous node evaluations. - Decoupled graph traversals (A*, Dijkstra) and sorting mechanics into Web Workers to eliminate main-thread UI freezing and enable time-travel state scrubbing.

EDUCATION & QUALIFICATIONS

Graduated United Kingdom	B.Sc. Computing Technologies — Roehampton University Core Coursework: Software Engineering & Web Technologies, Databases & SQL Systems, Network Infrastructure & IT Operations, Fundamentals of Artificial Intelligence, System Architecture & Troubleshooting.
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LANGUAGES

English: Fluent (C1 Professional)	Hungarian: Native	Romanian: Native
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