



István Ékes

Senior Software & AI Automation Engineer

CONTACT

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Saarbrücken, Germany

TECHNICAL SKILLS

Languages

Python, PHP, Kotlin, Bash, C/C++

Web & Mobile

JS, TS, React, Next.js, Angular, Node.js, React Native, WordPress

Databases

PostgreSQL, MySQL, Redis, Supabase, SQLite

Testing & QA

PyTest, Selenium, Playwright, Appium, BrowserStack, BDD

DevOps

Docker, Git, CI/CD, VPS, JIRA

AI & Automation

LLM/RAG pipelines, prompt engineering, agentic workflow design, n8n, OpenAI API

LANGUAGES

English

C1 - Professional

Hungarian

Native

German

B1 - Intermediate

PRODUCT

qalyze.de

Built Qalyze: an automated website analyser (200+ tests). Built from scratch: frontend, backend, test pipeline, deployment. Demonstrates observability, alerting, and reporting at scale.

PROFILE

Senior Software Engineer with 7+ years of experience, specializing in AI-driven automation, test engineering, and full-stack web & mobile development. I bridge the gap between cutting-edge AI and production-ready software. I take projects from initial requirements all the way to production and stay available post-launch. EU-based, GDPR-compliant, available remotely or on-site in the DACH region.

WORK EXPERIENCE

Freelance Software Engineer

2024 – Present

Full Project Lifecycle · Saarbrücken, Germany

Business & client management

- End-to-end project management: client acquisition, requirements, estimation, development, testing, deployment, maintenance, and invoicing
- Direct client communication, technical consulting, and long-term relationship management
- All business ops: contracts, accounting, tax declarations, and vendor management

Technical delivery

- Process automation with Python (data handling, reporting, workflow tasks)
- AI & Generative AI integrations for marketing, content, and customer interaction
- Full-stack web development (WordPress, Shopify, React, Next.js)
- Cross-platform mobile apps (React Native, Android & iOS)
- Test automation framework architecture and QA engineering
- Production deployment and post-launch maintenance

Test Automation Engineer

2021 – 2023

XRoadMedia GmbH · Austria

- End-to-end test automation for an AI-powered real-time personalisation & recommendation system (REST API)
- Fixed 1,000+ failing tests; cut execution time from 17 hours to 8 hours
- Integrated test suite into CI/CD pipeline for automated daily runs
- Reported directly to stakeholders with clear, jargon-free metrics

Software Engineer

2019 – 2021

Rubin Informatika · Hungary

- Built a new Python test framework for a real-time pricing system
- Coded hundreds of automated tests and Python data-processing daemons
- Presented new features directly to customers; managed delivery from spec to production

Frontend Developer

2019

CAE Healthcare · Hungary

- Angular/TypeScript frontend for a health-education web application (Perl backend)
- Collaborated with an international team across Hungary and the USA

EDUCATION & CERTIFICATIONS

Computer Science BSc

2016 – 2019

University of Pannonia · Hungary

Thesis: Dashboard interface for monitoring an automatic distributed system.

CCNA Security Certificate

2019

Cisco · via University of Pannonia