

BORUT BALAZEK

Senior Software Engineer & Technical Consultant

✉ info@bobalazek.com 🌐 bobalazek.com 🐙 github.com/bobalazek 💼 linkedin.com/in/borut-balazek 📍 Ljutomer, Slovenia

WHAT I DO

I help teams ship software that is stuck: product features, integrations, data pipelines, modernization of systems that have become risky to change, and the infrastructure underneath. 14+ years hands-on, including an eight-year engagement scaling an EdTech platform to millions of users.

PROOF

14+ years building and scaling software professionally

Millions of users on an EdTech platform scaled from tens of thousands

8 years on a single engagement, Nov 2015 to Dec 2023

20+ global markets covered in real time by the MarketAlerts.com platform

100K+ articles a day processed by Metis, my own news-intelligence platform

50 public repositories on GitHub, plus contributions to the Babylon.js engine

WHAT I HELP WITH

Build

Full-stack products, product features, APIs, integrations and customer-facing applications, delivered to production.

Modernize

Incremental modernization of systems that have become risky to change: architecture, performance, reliability, cloud infrastructure and CI/CD.

Automate

Workflow automation, internal tools, data processing and reporting, including LLM-assisted workflows.

Scale

Query and caching optimization, data pipelines and infrastructure for products whose usage has outgrown their original design.

SELECTED ENGAGEMENTS

Founder & Principal Engineer

Corco Labs d.o.o. (previously Corcosoft, Borut Balazek s.p.) | Aug 2012 - Present

Independent software consultancy, 70+ projects across six countries. The long-term engagements below are invoiced through it.

- Delivered 70+ client projects across FinTech, IoT, Energy, EdTech and consumer brands - full-stack products, internal tools, configurators, booking systems and campaign platforms.
- Around 50 ran through partner agencies: 33 for German clients via Cuibono Media Network, including Philips, RWE, Innogy, Stadtwerke Krefeld and Ruhrbahn; and 19 for Slovenian clients via Organizem, including Radenska, Perutnina Ptuj, Medex, Danone, Red Bull, Les Mills, Sportina, Thermana Lasko and Ljubljana Airport.
- Built 18 Facebook campaign and prize-game applications, three of which returned every December as advent-calendar campaigns for six to seven consecutive seasons - each with a fixed launch date and no room to slip.
- Owned engagements end to end, working directly with clients in Germany, Austria, Switzerland, the UK, the US and Slovenia.

Founding Engineer / CTO

MarketAlerts.com | May 2024 - Mar 2026

AI investment-intelligence startup - real-time signals across 20+ global markets. Invoiced through Corco Labs d.o.o. Wound down in 2026.

- Founding engineer on an AI investment-intelligence platform covering 20+ global markets in real time - owned the backend architecture and the AWS to GCP migration.
- Built the data platform: containerised Python ETL tasks run per source as Airflow pods on Kubernetes, feeding 100+ API endpoints across TypeScript and FastAPI.
- Built the LLM layer: hierarchical GPT classification of financial signals, and an OpenAI summariser turning earnings-call transcripts into structured highlights.

Tech Lead / Backend Architect

Martian & Machine | Aug 2024 - Feb 2025

Government smart-city programme in the Middle East, delivered across five city domains and several vendor teams.

- Backend architecture for a government smart-city programme: 20+ microservices on Kubernetes across five city domains, with APISIX at the edge and Keycloak for identity.
- Event-driven layer connecting IoT gateways to application services, with Kafka streaming and Cassandra time-series storage.
- Domain-driven design with clean API contracts, so several vendor teams could build in parallel.

Senior Software Engineer

Edukey Education Ltd | Nov 2015 - Dec 2023

UK EdTech behind ClassCharts and Provision Map, acquired by TES Global. Eight-year engagement, invoiced through Corco Labs d.o.o.

- First developer alongside the CTO; helped grow the platform from a few dozen schools and tens of thousands of users to thousands of schools and millions of users.
- Owned the mobile product end to end - the React web application and all three native apps, teacher, student and parent, across iOS and Android - and rebuilt the legacy web application from jQuery to React in place.
- Took the infrastructure through three generations - Rackspace to GCP to AWS, three servers to roughly 100 instances - introducing Docker and later Kubernetes, and led a 40+ TB asset migration between clouds with no downtime.

CORE TECHNOLOGIES

Languages TypeScript, JavaScript, PHP, Python, Rust

Frontend React, Next.js, React Native, Astro, Tailwind

Backend Node.js, Bun, NestJS, Fastify, FastAPI, Symfony, tRPC, GraphQL, REST APIs

Architecture Microservices, Event-driven architecture, Domain-driven design

Data PostgreSQL, MySQL, Redis, ClickHouse, Cassandra, Elasticsearch, Kafka, Airflow

Infrastructure Docker, Kubernetes, Terraform, AWS, GCP, Azure, GitHub Actions, CI/CD

AI & LLM OpenAI, Anthropic, Ollama, LLM classification pipelines

Testing & Observability Jest, Vitest, Cypress, Playwright, Grafana

WHAT PEOPLE SAY

"Borut delivered immediate value after joining our team. He brought clarity to complex problems and significantly increased throughput. He quickly identified mission-critical technical debt and resolved it on schedule, and communicates clearly with both technical and non-technical stakeholders."

Vito Martin, CEO @ ZeroSigma Capital

"I worked with Borut for 7 years, he was our longest serving developer... he understood our vision & grew with our codebase to become a hugely valued developer who you could rely on & would always deliver."

Duncan Wilson, CEO @ Edukey Education Ltd

"In 25 years of coding, you are one of the most gifted developers I have ever worked with."

Simon Beckett, Senior Software Engineer @ TES Global

"We are definitely going to miss the speed with which you complete tasks. You are one of the fastest developers I have ever worked with!"

Tomislav Knezevic, Lead Frontend Engineer @ Martian

"He consistently delivers high-quality work, is quick to respond and available when needed, and is always willing to help teammates find the best solution."

Alexander Sijan, Frontend Engineer @ Martian

Independent engagements run through Corco Labs d.o.o. - corcolabs.com