

Peter Aleksander Bizjak

Senior Software Engineer | Technical Lead | Flutter, Full-Stack & Cybersecurity Consultant

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Professional Summary

Independent senior software engineer and technical lead with 7+ years of experience delivering production software across fintech, public sector, logistics, HR, asset management, and cybersecurity. Programming-language and platform agnostic, with hands-on experience spanning mobile, frontend, backend, cloud infrastructure, databases, observability, and security. Known for taking ownership of under-defined, high-pressure projects and carrying complex initiatives from ambiguity to production under tight constraints. Combines broad cross-domain technical depth with pragmatic engineering judgment, documentation discipline, testing practices, incident response support, and audit-ready infrastructure delivery.

Core Skills

Leadership & Consulting: Technical leadership, product discovery, architecture, project rescue, stakeholder communication, engineering documentation, contractor coordination

Mobile & Frontend: Flutter, Flutter Web, React, Next.js, Angular, Ionic, custom native Flutter plugins

Backend: Nest.js, Go, REST APIs, integrations, authentication systems, ETL pipelines, microservices

Cloud & DevOps: Google Cloud Platform, Cloud Run, VMs, Docker, Kubernetes, on-premise deployments, OpenTelemetry, CI/CD practices

Databases: PostgreSQL, MongoDB, MySQL, MSSQL, Neo4j, indexing, aggregation/query optimization, data migration

Security: Penetration testing, cybersecurity consulting, incident response coordination, audit readiness, CEH

Professional Experience

Independent Consultant / Founder

Dec 2021 – Present

Peter Aleksander Bizjak s.p. / Bizjak Tech OÜ

Remote / Europe

- Deliver full-stack, mobile, cloud, and cybersecurity consulting for European clients, primarily through direct B2B work and Proxify engagements.
- Lead projects across architecture, implementation, infrastructure, performance, testing, documentation, and production support.
- Provide long-running cybersecurity consulting for IPM d.o.o.; performed 60+ penetration tests for organizations across Slovenia.
- Support clients in stabilizing inherited systems, replacing undocumented vendor knowledge, and turning ambiguous requirements into maintainable production software.

Selected Independent Engagements

- **NetConnect BV** – Acted as technical lead for a Belgian networking company expanding into software. Designed and delivered a suite of business applications around InvGate Service Management and Asset Management, including HR planning, reservation management, citizen notifications, asset tracking, time tracking, and invoicing. Built across Next.js, Nest.js, Flutter, PostgreSQL, GCP, Cloud Run, VMs, and OpenTelemetry; supported audit readiness and coordinated incident response during a cybersecurity event.
- **Compli B.V.** – Consulted during a transition away from a previous development agency, then took ownership of ongoing Flutter mobile and web application development as the product evolved.
- **Grafenau Digital Solutions GmbH** – Developed a major accounting, invoicing, and management platform for a large Austrian manufacturing client. Built ETL processes across heterogeneous legacy databases, consolidated data into MongoDB, optimized backend synchronization and database queries, and maintained Angular frontend features.
- **Billender / Constito AB** – Rebuilt and stabilized a Flutter web and mobile fintech application while Flutter Web was still early-stage. Developed a BankID proxy backend for authentication and collaborated with the Flutter open-source community to resolve platform challenges.
- **Visualizy AB** – Implemented, tested, and documented an end-to-end banking integration for a real-time consolidated bank account platform with strict regulatory, SLA, and validation requirements.
- **CONROO GmbH** – Delivered Flutter mobile features, bug fixes, and documentation; also supported Nest.js backend development for integrations with German rail APIs.
- **Semper Fi iT Solutions** – Improved and extended a complex microservice environment spanning Go, Flutter, Next.js, Docker, Kubernetes, Camunda, MongoDB, PostgreSQL, MySQL, and Neo4j. Fixed production bugs,

improved API and database performance, built a new Next.js project, developed a Flutter time-tracking app, and created a native Flutter plugin for Zebra RFID devices.

- **Short-term consulting** – Performed a web application penetration test for SpringVille Scandinavia AB, evaluated Flutter coding interviews for Codility Limited, and wrote occasional technology/political commentary for Homopolitikus.

Head of IT

IPM d.o.o.

Oct 2021 – Apr 2022

Slovenia

- Led IT delivery after the previous Head of IT departed, taking responsibility for project coordination, technical direction, and external development agency management.
- Oversaw public-sector pilot applications involving citizen notifications, reporting workflows, tender processes, Slovenian eID coordination, and third-party integrations.
- Earned EC-Council Certified Ethical Hacker (CEH) certification and expanded IPM's cybersecurity consulting capability.

Senior Software Developer

IPM d.o.o.

Jan 2020 – Oct 2021

Slovenia

- Built and maintained public-sector applications across Flutter, React, Nest.js, and DigitalOcean infrastructure.
- Collaborated directly with government stakeholders, public-sector partners, and political consulting teams that required technical strategy and implementation support.
- Contributed across product definition, software delivery, DevOps, security work, and stakeholder-facing technical consulting.

Student Researcher & Instructor

University of Ljubljana, Faculty of Electrical Engineering, LTFE

Dec 2018 – May 2020

Slovenia

- Worked on proof-of-concept and research projects involving IoT, microcontrollers, 3D printing, Linux, networking, and C++.
- Taught CCNA, Linux, and C++ topics after completing networking and instructor-related certifications.

OpenLab Mentor

OpenLab / LTFE

Jan 2018 – May 2020

Kranj, Slovenia

- Mentored high-school students across the Kranj region in IoT and software development, making technical topics accessible through practical workshops.

Backend Developer Intern

IECom d.o.o.

Mar 2019 – Oct 2019

Slovenia

- Maintained and extended an ERP system built with Nest.js, PostgreSQL, Docker, Kubernetes, and on-premise infrastructure.
- Collaborated with a senior developer on backend feature development, bug fixing, and production maintenance.

Selected Project Highlights

- Sole technical lead for a multi-application business platform covering HR planning, reservations, notifications, asset tracking, time tracking, invoicing, GCP infrastructure, observability, and security readiness.
- Performed 60+ penetration tests as an ongoing cybersecurity consultant for IPM d.o.o.
- Rebuilt and stabilized a Flutter Web fintech product during Flutter Web's early maturity period, including BankID authentication integration.
- Designed ETL and performance improvements for a large multi-database migration into MongoDB, improving synchronization capacity and query performance.
- Delivered public-sector pilot systems involving citizen notifications, reporting, tender/application workflows, and national eID coordination.

Certifications

- EC-Council Certified Ethical Hacker (CEH)

- Cisco Certified Network Associate (CCNA)
- CCNA instructor-related certifications

Education

IU International University of Applied Sciences, Germany

Bachelor's degree in Cybersecurity, in progress.

University of Ljubljana, Faculty of Electrical Engineering

Electrical Engineering coursework with focus shifting toward telecommunications, software engineering, networking, IoT, and applied research through LTFE.