

Rok Črešnik

Technical Architect · Hands-on Developer

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Slovenia — working remotely with teams across Europe, the UK and the US · RokIT d.o.o.

PROFILE

Hands-on technical and solution architect with **15+ years** across product engineering, system integration and technical leadership. I am strongest where a problem is still ambiguous: understanding it, cutting it down to something buildable, and staying close enough to the implementation that the plan survives contact with production.

15+ years Building, integrating and leading delivery of production software

10,000 Concurrent users the ComplexCon Hong Kong platform was stress-tested for

100× Increase in supported load after directing Libraro's platform stabilisation

24,000 Monthly active users on Blackjack Trainer, with 10,000+ paid subscriptions

SELECTED ENGAGEMENTS

ComplexCon Hong Kong **Technical architect** 2023 – 2024

Designed the whole-system architecture behind a live event platform spanning identity, ticketing, commerce and customer data — then held it together on site under real load.

Libraro **Architect / Senior engineer** 2025 – 2026

Diagnosed why a publishing platform fell over above ~20 visitors, directed the PostgreSQL and backend fixes, and built Python tooling to recover interrupted document workflows.

Trajan Wealth **Technical architect / Technical lead** 2025

Owned architecture and led a ~10-person multidisciplinary team delivering a production AI assistant that answers questions against a client's own investment portfolio.

London Blockchain Conference **Technical architect** 2024 – 2025

Architecture and integrations for two annual iterations of an event companion app — scheduling, meeting booking, messaging and a points-for-rewards loyalty loop.

RockWallet **Core iOS developer** 2022 – 2023

Inherited a half-working clone of the open-source Breadwallet / BRD wallet with Android, C and Swift sources tangled together. Decoupled it, shipped it as Fabriik, then rebranded and extended it into RockWallet.

Blackjack Trainer **Sole technical lead & iOS engineer** 2025 – now

Took over an operational iOS product and delivered a full production redesign, analytics, subscriptions and onboarding experiments. 24k MAU, 10k+ paid subscriptions.

TradeWindow **Technical architect** 2023

Analysed a logistics monolith and defined a phased, parallel-run modernisation approach — including the honest finding that the job was far larger than estimated.

NKBM Mobile Bank **iOS architecture & technical enablement** 2020 – 2024

Introduced Clean Architecture to a bank's mobile app, built the reference implementation, and taught the in-house developer to carry it forward. Returned for later delivery peaks.

AI-assisted engineering workflows Workflow designer & primary user

Current

Human-reviewed workflows that connect Figma, Jira, Confluence and source code — daily change digests, task preparation and design-coverage gap analysis.

OTHER ENGAGEMENTS

AffilyStars 2026 — now · Amici

Technical / solution architect. The bridge between product design, client requests and the development team — turning intent into concrete technical direction. In development.

Iskalnik nepremičnin Current · Personal project

A multi-stage research workflow over Slovenian public property data and the land registry, ending in a sortable HTML or Excel report. Cuts hours — sometimes days — off manual ownership research.

Ajeres March 2026 · RokIT

Designed and built a small Next.js and TypeScript application with a language-model capability wired in directly through Anthropic's SDK, on Firebase authentication and Firestore. A rapid hands-on prototype, not a production AI platform.

Commerce systems analysis 2024 · EKWB

Mapped a fragmented landscape of Amazon, Microsoft Dynamics and several web shops, traced where inventory visibility was being lost, and delivered integration recommendations.

ComplexCon (v2) 2020 — 2024 · Teranode

Technical architect on an extension of the Hong Kong platform — authorisation boundaries, and Stripe holding everything payment-sensitive so no card data entered the platform. Its own ticket-selling platform had to reach production ahead of the rest, since tickets sell long before an event; early-bird sales ran through it. The project was cancelled before the remaining scope shipped.

Blarecast / BLARE 2020 — 2024 · EqualEyes

Lead developer on the iOS app for an artist-first music streaming and distribution platform, where artists self-release and rights holders receive instant split payments.

E-Livestock Global 2020 — 2024 · EqualEyes

iOS developer on a cattle treatment and tracking solution — a livestock "digital passport" supporting farmers in Africa.

Molehill Mountain 2020 — 2024 · EqualEyes

iOS developer on Autistica's anxiety-support app, built by the UK autism research charity to help autistic people understand and manage anxiety.

MyMetraKey 2020 — 2024 · EqualEyes

iOS developer on the companion app for Metra's smart-locking technology, giving touch-less remote access to smart lockers.

Fumis 2020 — 2024 · EqualEyes

iOS developer on the companion app for smart biomass and pellet-stove combustion controllers — remote monitoring and control of a physical heating system.

BioEnergyUnit 2020 — 2024 · EqualEyes

iOS developer on a smart furnace monitoring and control application.

Pattern 2020 — 2024 · EqualEyes

iOS developer on a wellbeing application.

Capucinne 2020 · Minimalvs

Shopify performance and technical SEO for a jewellery store, plus a custom purchase flow that broke past the platform's variant limit. The change materially increased revenue.

GlobaliD 2019 · via Kamino

Senior iOS developer. Split the application into modules to bring development build times down, and contributed to the product redesign.

Chipolo 2013

iOS developer on the first prototypes of Chipolo's Bluetooth item tracker — the keys, wallet and bag finder — in the run-up to the Kickstarter campaign that launched the product out of Trbovlje.

Beenius 2018 — 2019

Senior iOS developer. Introduced CI and code-review practice and restructured the app so each customer variant could be customised faster. GraphQL in the stack.

1Tap Receipts & Tax 2017 — 2018

iOS developer across two products: Swift 4 migration, feature work, analytics, and a serious dent in the accumulated backlog.

ULU 2014 — 2017

Lead iOS developer and early employee on a connected-car product: journeys, driving events, diagnostics and fleet use cases, from an OBD device over eSIM. Objective-C, later rewritten in Swift.

FlyKly Smart Wheel 2013 — 2014

Lead iOS developer on the companion app for a pedal-assist bicycle wheel — Bluetooth Low Energy protocol work with the hardware team, and support through the Kickstarter campaign.

OdoCost 2012 — 2014

Co-founder and lead iOS developer. Business-travel logging with two-way server sync and GPS tracking tuned hard against battery life.

Povio 2013 — 2014

iOS developer on Povio's original consumer product — a pull-based photo-sharing app where you ping a friend to take a photo, rather than pushing your own at them. It took the company into Y Combinator's Winter 2014 batch, before it pivoted into the software agency it is today.

Run&Roll 2012 – 2013

Co-founder and lead iOS developer on an endless-runner game: 40+ levels, an animation system, image caching and a custom level editor. Later the subject of my bachelor thesis.

Early mobile products 2012 – 2014

A run of consumer apps, games and prototypes alongside the founding work — H2O-Pal, Shakin Steve, avantBon, Rankberry, Megabon, LunchBox and Quick orderR. Several were built with collaborators under the informal team name Mice3, which was never a company.

CAREER HISTORY

2020 – present – Technical leadership & architecture**RokIT d.o.o. Owner · Technical & solution architect · 2017 — present**

My own company, and the continuation of Rok Črešnik s.p. before it. I take on architecture, integrations, hands-on development, code review, releases and production troubleshooting, and provide technical and project leadership to multidisciplinary delivery teams. Engagements reach me by one of three routes: directly through RokIT, through EqualEyes d.o.o. supplying my work to its own clients, or onward to Teranode Ltd (formerly nChain Ltd) as end client. One career and one contracting structure — not several parallel jobs.

2017 – 2020 – Senior iOS & product engineering**Minimalvs d.o.o. / Capucinne “The IT department” · May — Sep 2020**

E-commerce performance, technical SEO and custom purchase-flow engineering for a DTC jewellery store on Shopify.

Kamino d.o.o. Senior iOS developer · Jun — Nov 2019

Redesign, feature development and analytics. The GlobalID application work ran during this engagement.

Beenius d.o.o. Senior iOS developer · Sep 2018 — May 2019

Continuous integration, code review and a modular application structure so customer-specific variants could ship faster.

1Tap Ltd iOS developer · Jul 2017 — Apr 2018

Swift migration, dependency management, analytics and backlog reduction across 1Tap Receipts and 1Tap Tax.

2016 – 2020 – Outdoor operations & guiding**Expedition guiding — LifeTrek Ski touring in Georgia · Trekking in Kyrgyzstan · 2020**

After Kamino I had had enough of IT and set out to become an adventure tour guide. I spent a fortnight in the Georgian Caucasus leading back-to-back ski-touring groups as they rotated through, and guided a trekking tour in Kyrgyzstan that summer, both for the LifeTrek agency — taking responsibility for a group in remote terrain, where deciding to turn back is the call that matters and nobody else is going to make it. I flew home from Georgia and the lockdown began days later. The pandemic closed that door, and brought me back into software.

New Zealand & Canada Interleaved with ongoing product work

Guest reception, reservations and campsite allocation at Hack'n'Stay; lift operator at Porters Ski Field; night porter, maintenance and housekeeping at Rainforest Retreat; snowboard instructor at Kimberley Alpine Resort. Front-line operations work, in a second language, where the system that fails at 7am is a person waiting at a desk.

2014 – 2017 – Connected mobility**ULU b.v. Lead iOS developer / early employee · May 2014 — Dec 2017**

Sole iOS developer and technical owner of the driver-facing app for a connected-car and fleet product. Contributed to API design and reusable visual components, and took part in StartupBootcamp HighTechXL in Eindhoven.

2012 – 2014 – Games, mobile products & early startups

Co-founder & lead iOS developer Run&Roll · OdoCost · FlyKly

End-to-end ownership across a game with its own level editor, a business-travel tracker with two-way sync, and a Bluetooth-connected bicycle wheel. Alongside them a run of early consumer apps and prototypes — H2O-Pal, Shakin Steve, avantBon, Rankberry, Megabon and Quick Order — several built with collaborators under the informal team name Mice3, which was never a company.

2010 – 2012 – Enterprise & web beginnings

Adacta d.o.o. Microsoft Dynamics AX support & development · Feb 2011 — early 2012

Support department for international clients, producing reports and additional views in a Microsoft Dynamics AX / X++ environment. My first exposure to business systems that people depend on to get paid.

spletnaPOSTAJA d.o.o. Junior developer · Oct — Dec 2010

PHP/MySQL and custom client projects.

CAPABILITIES

- **Solution architecture through implementation.** I do not hand over a diagram and leave. The plan is only good if it survives the first sprint.
- **System integration.** REST, webhooks, authentication and third-party platforms — usually several of them, usually disagreeing with their own documentation.
- **Technical-debt analysis and phased modernisation.** Extract one responsibility, run it in parallel, compare outputs, then move production traffic.
- **Performance and data access.** PostgreSQL and SQL profiling, query and access-pattern redesign, load and performance testing against a modelled scenario.
- **Technical leadership for teams of up to ~10** and cross-functional delivery groups of ~20 — delivery direction and accountability rather than formal line management. Technical interviews, task assessment and one-to-one coaching.
- **Build-vs-buy and vendor selection.** Feature, risk and cost comparisons that a non-technical stakeholder can actually decide from.
- **AI-assisted engineering.** Practical everyday workflows with independent review stages, never autonomous approval.

TOOLKIT, EDUCATION & LANGUAGES

LANGUAGES & DATA	Python · SQL / PostgreSQL · TypeScript & Node.js · Swift · Go · X++ (historical)
INTEGRATION & CLOUD	AWS · AWS Cognito · Auth0 · MuleSoft · Salesforce · Shopify · Stripe · RevenueCat · REST & webhooks
DELIVERY	Git & code review · CI/CD · GitHub Actions · Docker · Jira · Confluence · Figma · Firebase Analytics · A/B testing
BUSINESS PLATFORMS	Microsoft Dynamics AX · Appian · Wagtail
EDUCATION & CERTIFICATION	University of Ljubljana, Faculty of Computer and Information Science — University Diploma in Computer Science and Informatics, pre-Bologna programme, 2013. Appian Certified Associate Developer, June 2025. Ran an introductory Python workshop at Gimnazija Slovenj Gradec.
LANGUAGES	Slovenian (native) · English (fluent) · German and Croatian (conversational)