

IGOR BIAŁEK

SOFTWARE ENGINEER

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Software engineer with 3+ years of building startup products and running them in production. Current work serves thousands of users and over a dozen dental clinics.

EXPERIENCE

DESCOPE

Aug 2023 – present · 3 yrs 3 mos

Software Engineer · software house

RYUU · streaming platform for vertical anime series

ryuu.com

- Owned billing, identity and the Next.js storefront for thousands of users and paying subscribers.
- Joined the pre-order launch as it was about to slip after a viral drop and shipped it on time in a 48-hour crunch.
- Designed limited reward pools per series, locking slots during Stripe checkout so none could be oversold.
- Moved the storefront onto the gRPC-Web backend, linking every purchase to an account.
- Designed season passes, plan upgrades, deferred starts and currency-locked pricing for 140 countries.
- Shipped the shop service that syncs subscriber status to Shopify over Pub/Sub, unlocking a 10% merch discount.
- Wrote 14 lifecycle emails with separate paths for guest, signed-in and returning buyers.
- Took Ryuu's internal production and payroll app live on GCP, behind IAP with approval-gated migrations.

RECEPTIONOS · Tech Lead · AI receptionist for dental clinics

receptionos.com

- Led a team of 4 engineers from the first clinic to over a dozen, owning architecture, code review and releases.
- Onboarded more than a clinic a week on isolated AWS infrastructure, with 60,000+ patient calls analysed since.
- Built the flow that analyses every patient call, email and SMS with AI and turns it into tasks for clinic staff.

SNEAKPEEK · sneaker authentication app for iOS and Android

App Store

- Wrote NFC tag authentication in TypeScript (NTAG 424 DNA, AES-CMAC) that catches cloned tags.
- Built the React Native app, the Next.js web app and a 70-route REST API with B2B endpoints, with Stripe billing and CVAT image labelling.

COSMOS · AI debate training platform for schools

- Shipped two competitive debate formats (WSDC, British Parliamentary) with AI opponents and summaries.
- Built a LangGraph teacher assistant with 6 tools and set up CI/CD to GKE.

TYPESCRIPT · NESTJS · GRPC · NEXT.JS · REACT NATIVE · POSTGRESQL · MONGODB · REDIS · PRISMA · DRIZZLE · STRIPE
FIREBASE · DOCKER · KUBERNETES · TERRAFORM · AWS · GCP · ASTERISK · FREEPBX · OPENAI · LANGGRAPH · WHISPER

ANDEA SOLUTIONS

Jul 2021 – Aug 2023 · 9 mos, part-time

Junior MES Developer · corporation

andea.com

- Built new features for an Apriso manufacturing execution system in C#, JavaScript and SQL.
- Built a cleanup job that purged old, unused revisions clogging the system.

APRISO · C# · JAVASCRIPT · SQL

EDUCATION

AGH UNIVERSITY OF KRAKOW

Oct 2024 – exp. 2028

BSc, Medical Computer Science

TECHNIKUM ŁĄCZNOŚCI

Sep 2019 – May 2024

Programmer Technician · INF.03 Web Development (95%) · INF.04 Software Development (93%)

AWARDS

FINALIST, MOTOROLA SCIENCE CUP

2022/23

LANGUAGES

English (C1) · Polish (native)