

# Jaka Purg

## CTO & Senior Full-Stack Engineer

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### Summary

CTO & senior full-stack engineer with 7+ years of experience architecting cloud-native products across Web3, SaaS, wellness tech, property tech, and IoT. Led engineering teams of up to 10 developers and delivered 20+ end-to-end products from concept to production. Specialized in TypeScript/Node.js, distributed systems, serverless architectures, and high-scale applications serving hundreds of thousands of users.

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### Technical Expertise

Core	TypeScript, Node.js (NestJS, Express), React, React Native, Next.js, PostgreSQL, Redis, AWS (Lambda, SQS, RDS), Serverless Architecture
Additional	Flutter, Python (Django, Flask), Ruby on Rails, Angular, Vue (Nuxt), C++, MongoDB, Elasticsearch, Supabase
Infrastructure	Docker, AWS, GCP, CI/CD (GitHub Actions, GitLab CI), Microservices, API Design, Linux

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### Professional Experience

Aug 2023 – Present **Co-founder & CTO, EXTRA** — *Software Agency*, Ljubljana, Slovenia — Remote

- Built and led a 10-engineer team delivering 20+ end-to-end products across Web3, AI, wellness tech, and IoT.
- Designed and shipped greenfield products including Blissbook.com, a Next.js travel platform for Megabon, and a Flutter-based IoT health device app.
- Established engineering standards, hiring processes, and CI/CD pipelines; directed architecture across backend, frontend, and mobile.
- Led high-impact projects for clients including Avenir Global, PrizePicks, FreedomChat, Flain, and Equito.

**Stack:** TypeScript, Node.js, React, Next.js, React Native, Flutter, PostgreSQL, AWS, Docker

Jul 2024 – Aug 2025 **Full-stack Developer (Contract)**, *Apillon.io*, Ljubljana, Slovenia — Hybrid

- Contributed to core infrastructure for a Web3 developer platform on Polkadot.
- Built GitHub-to-IPFS deployment pipelines and developer tooling, improving DX and deployment speed.
- Delivered greenfield features including "Simplets" (NFT campaign templates) and RPC-as-a-Service.
- Improved platform reliability across storage, hosting, and identity modules.

**Stack:** AWS Lambda, SQS, KMS, NestJS, Nuxt.js, MySQL, Redis, IPFS

- Feb 2022 – Feb 2025 **Full-stack Developer (Contract)**, *Naval Architect*, Düsseldorf, Germany — Remote
- Built features for a digital-twin platform used in ship design and engineering.
  - Developed modules for 3D modeling workflows, vessel data management, and multi-tool synchronization.
  - Improved performance and stability across backend and cross-platform interfaces.
- Stack:** NestJS, C++, Angular, Django, Flutter, PostgreSQL
- Apr 2021 – Nov 2022 **Full-stack Developer (Part-time Contract)**, *Zump*, Bristol, UK — Remote
- Built key features for an off-market property discovery platform.
  - Delivered user insights, land boundary mapping, and direct homeowner messaging tools.
  - Improved mobile stability using React Native with Detox E2E testing.
- Stack:** Express, React, React Native, Detox, PostgreSQL
- Aug 2019 – May 2023 **Lead Backend Developer (via Norik Systems)**, *Hyperice*, US — Remote
- Architected and scaled the backend for HyperSmart, enabling Hyperice's expansion into digital wellness products.
  - Improved query performance by 75% and reduced API latency by 60% via optimized NestJS + PostgreSQL architecture.
  - Delivered integrations with Apple Health, Strava, Garmin, and Whoop with secure data handling.
  - Increased concurrency by 200% and improved stability to 99.8% uptime.
- Stack:** NestJS, PostgreSQL, Redis, AWS, CircleCI, OneSignal, Sentry

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## Education

- 2021 – 2023 **MSc Computer Science**, *University of Maribor*, Slovenia
- 2018 – 2021 **BSc Computer Science**, *University of Maribor*, Slovenia