

JAN IVANETIČ

Software Engineer - Trading Systems & Exchange Infrastructure

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EXPERIENCE

Robinhood

NOV 2025 - PRESENT

Software Engineer - Exchange API Team

- ❖ Authored the engineering design doc and delivered Pricing Automation end-to-end: database schema, gRPC services, Kafka pipelines, monolith changes and internal tooling, rolled out to production behind a kill switch.
- ❖ Led backend implementation and production rollout of Replace Order (FIX & REST): protocol changes, validation logic, per-market feature flags and E2E coverage across all three APIs.
- ❖ Implemented Maker-or-Cancel (MOC) and self-trade prevention across gRPC, monolith and FIX layers.
- ❖ Raised FIX server unit test coverage to 94.6% on order cancellation and made load testing part of the release procedure.
- ❖ Mentored a software engineering intern, delivered an internal tech talk on testing practices, and defined how AI agents (Claude, Cursor) run our E2E tests.

Go · FIX Protocol · REST · WebSocket · Kafka · gRPC · Python

Bitstamp by Robinhood

JUN 2024 - NOV 2025

Quality Engineer - Trading Team

- ❖ Designed and built automation infrastructure across FIX, REST and WebSocket APIs for real-time trading systems.
- ❖ Led backend load and stress testing - built the WebSocket and FIX load-testing frameworks used for release validation - and acted as release validation gate for staging and production.
- ❖ Partnered closely with backend engineers to diagnose and resolve cross-system failures.

Vitasis d.o.o.

DEC 2022 - MAY 2024

DevQA & Frontend Engineer

- ❖ Established the company-wide test architecture as the sole QA engineer, building scalable end-to-end automation with Playwright (TypeScript) and SikuliX (Python).
- ❖ Contributed to React frontend development and improved CI/CD pipeline reliability.

Krka, d. d.

JUN 2022 - NOV 2022

QA & Software Development - part-time

Internal C#/.NET tooling and SQL databases, RPA automation, Selenium improvements.

SKILLS

LANGUAGES

Go · Python · TypeScript · JavaScript · C# · Bash

BACKEND & PROTOCOLS

FIX Protocol · REST · WebSocket · Kafka · gRPC · Redis · SQL (MySQL, MongoDB)

TESTING & AUTOMATION

Playwright · Selenium · Robot Framework · Postman · Mocha / Chai · SikuliX

TOOLS & INFRASTRUCTURE

Docker · Git / GitHub / Bitbucket · CI/CD · VS Code

SPOKEN LANGUAGES

Slovenian (native) · English (C2) · German (basic) · Bosnian (basic)

EDUCATION

Bachelor's Degree, Computer Science and Information Technologies

University of Ljubljana (FRI), 2019 - 2023

Grade 9/10 · EU Erasmus+ ESSA Guest Lecturer (2023) - authored and delivered test-automation training

