
Ignatij Tasevski

Software Engineering Student & Builder

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github.com/TheKeeper64bit

I build software to understand the systems beneath it. My projects span capability-oriented architecture, public transport, cybersecurity tooling, and experimental compression, with an emphasis on boundaries, testing, and useful interfaces.

SELECTED PROJECTS

Nexaris / In progress

Capability-oriented architecture connecting identities, services, and actions through explicit authority and provider boundaries. Work includes protocol design, authentication, authorization, scoped grants, revocation, audit, and automated testing. A local Android-to-calendar prototype explores uncertain outcomes without unsafe automatic retries.

Tuka / Development access by approval

Public-transport app for Skopje, built around finding stops, routes, and the next bus. Connects route patterns and multiple live-data feeds with freshness checks and fallback behavior when external data is unavailable or uncertain.

AEGIS / Experimental

Cybersecurity orchestration work around an Ubuntu host, Kali Linux VM, and VirtualBox. Recorded controlled command execution with structured JSONL logs and output hashing, preserving evidence of both failed and successful operations.

RaNdOm Compression Engine / Experimental

Two surviving implementations exploring entropy detection, adaptive chunking, model selection, and alternative encoding approaches. An ambitious experiment with rewritten implementations, changed assumptions, and unresolved technical problems.

EDUCATION

Brainster Next College | 2026 - 2029 (expected)

Software Engineering · Bachelor's degree in Software Engineering expected; 180 ECTS upon completion. Skopje, North Macedonia.

Josip Broz Tito | Graduated 2023

Natural Sciences and Mathematics Program, Track B · Skopje, North Macedonia.

Completed a STEM Physics Program; certificate received.

TECHNICAL SKILLS

Development: Python, JavaScript, TypeScript, Java, C, C++, C#, SQL, HTML/CSS, Bash

Applications: React, React Native, Expo, Node.js, Next.js

Data: PostgreSQL, Supabase, SQLite, Firebase

Tools & environments: Git, GitHub, Docker, Linux, Ubuntu, VirtualBox, REST APIs, Postman, VS Code

Physical computing: Arduino, breadboard prototyping, basic electronics, circuit wiring, LEDs, OLED integration

LANGUAGES & MEMBERSHIP

Macedonian - Native · English - C1 / Advanced · Serbian - Conversational

Official Mensa Member Since 2025 | Estimated · IQ 135