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EDUCATION

Technical University of Cluj-Napoca (UTCN)

Cluj-Napoca, Romania

B.Sc. in Computer Science (taught in English)

Oct 2024 – Jul 2028

Coursework: Data Structures and Algorithms, Fundamental Algorithms, Object-Oriented Programming, Fundamental Programming Techniques, Databases, Operating Systems, Computer Architecture, Digital System Design. *Current*

semester: Software Engineering, Artificial Intelligence, Functional Programming.

EXPERIENCE

Founder and Developer, Solo Ship Kit | Dart, Flutter, Claude Code

Oct 2026 – Present

- Building and launching an independent digital product for solo developers: a guide, drop-in Claude Code templates, a prompt library and a starter Flutter app, sold on Whop in free, Core and Pro tiers.
- Wrote a Dart build pipeline that generates every PDF, marketing image and tiered release zip from one config file with a single command.
- Added a leak scan that fails the build if a release contains secrets, signing keys, private files or unverified claims, plus a Claude Code guard hook that blocks commands touching secrets.
- Planned the launch end to end: pricing, waitlist and free lead magnet, and a scheduled series of posts for LinkedIn, Reddit and Indie Hackers.

PROJECTS

Direction | Flutter, Dart

Demo · [GitHub](#)

- Mobile and web app that turns a short strengths quiz into a daily plan, with evening check-ins and progress tracking. In closed testing on Google Play, with a public web demo.
- Offline-first with no backend: one repository over local storage; streaks, milestones and insights are recalculated from the raw history instead of being stored.
- Wrote 384 automated tests, including golden screenshot tests for every main screen and fake-clock tests across midnight, month changes and missed days.

Vitaly: CS2 Player Analytics | Java, Javalin, JDA, SQLite, JUnit

[GitHub](#)

- Discord bot and web dashboard in one Java process that turn FACEIT API data into scouting reports: stats, 30 playstyle archetypes, best maps and auto-veto, head-to-head comparison and an ELO leaderboard.
- Kept the Discord gateway responsive by running slow commands on a worker pool and acknowledging interactions within Discord's 3-second window.
- Protected the shared API quota with TTL caching, retries with backoff that honour Retry-After, and per-client rate limiting on the web API.
- 29 JUnit tests against an in-process fake API and a random-port web server, run in GitHub Actions CI.

Queue Management Simulator | Java, multithreading

[GitHub](#)

- Real-time simulation of clients across service queues, one thread per queue, reporting average waiting time, service time and peak hour.
- Thread-safe queue state with blocking queues, atomic counters and a volatile stop flag; Strategy pattern for dispatch policies and Observer to decouple the Swing UI.

Task Management Suite | Java, Swing

[GitHub](#)

- Desktop app for assigning tasks to employees and tracking workload. Tasks use the Composite pattern and a sealed class hierarchy; reports are written with Streams and lambdas.

Washing Machine Controller | VHDL, FPGA (Nexys A7)

[GitHub](#)

- Finite state machine controller with a manual mode and five preset programs, split into control and execution units, with a button debouncer and 7-segment display driver. Tested on the board with a sped-up clock.

SKILLS

Languages: Java, Dart, C, C++, SQL, VHDL, HTML/CSS

Frameworks and libraries: Flutter, Javalin, JDA, JDBC, Gson, Java Swing, JUnit 5

Backend and data: REST APIs, PostgreSQL, SQLite, multithreading and concurrency, caching and rate limiting

Testing and tools: Unit, widget and golden tests, GitHub Actions CI, Git, Google Play Console, Claude Code

Concepts: Object-oriented design, design patterns, data structures and algorithms

LANGUAGES

Romanian (native), English (fluent; current degree is taught in English)