

VLADIMIR KHEGAI

+1 (901) 267-8596 | khevl-29@rhodes.edu | github.com/KhegaiVladimir | linkedin.com/in/vladimir-khegai

Startup co-founder and indie developer from Kyrgyzstan, building AI products end-to-end. CS & Math student at Rhodes College on a full scholarship; ITF Taekwondo World Champion.

EDUCATION

Rhodes College Memphis, TN
B.S. Computer Science & Mathematics *GPA: 4.0/4.0* *Diehl Scholar (Full Merit Scholarship)* *Expected May 2029*

EXPERIENCE

Co-Founder & Engineer, TrancheLab 2025 - Present

AI-native platform extracting capital-structure data from Chapter 11 bankruptcy filings *Remote*

- Co-founded and built the product from zero: a pipeline that parses real bankruptcy PDFs through **five parallel extractors**, with deterministic confidence scoring and source-linked citations for every data point.
- Engineered a hard CI eval gate against a ground-truth corpus of real cases (JOANN, Hertz, Rite Aid) so accuracy is enforced before any release.
- Drove go-to-market myself: pricing strategy against incumbents (Octus, Debtwire) and cold outreach to distressed-debt professionals.

Software Engineering Intern, Geeks Pro May 2024 - Feb 2025

Django & PostgreSQL backend services *Bishkek, Kyrgyzstan*

- Designed and shipped 10+ Django REST Framework endpoints (auth, CRUD, reporting) powering core workflows for an agriculture-sector client.
- Cut median response time ~20% on data-heavy requests via PostgreSQL indexing and query refactoring.
- Collaborated in a 5-person Agile team with daily stand-ups, PR reviews, and Git-based deployment to production.

Freelance Full-Stack Developer 2024 - Present

Self-Employed *Remote*

- Delivered production websites end-to-end (requirements, UI/UX, development, deployment, maintenance), including tkd-itf.kg, the official Kyrgyz Republic Taekwondo ITF Association site (Django 5.1 + React 18 + PostgreSQL, self-hosted VPS).
- Owned full deployment pipelines: domain configuration, hosting, SSL, and CI/CD.

PROJECTS

PlayLab | *JavaScript, HTML5 Canvas, Node.js, LLM (Qwen2.5)* 2026

- Built a function-graphing tower defense (solo) where an LLM only proposes themes while **hand-written deterministic code owns all correctness**; a verifier simulates thousands of shots to prove every AI-generated wave is solvable before it reaches the player.
- Wrote a custom safe expression compiler (tokenizer → recursive-descent parser → closure tree, no eval) that doubles as the validation gate for all LLM output.

Cairn | *Python, FastAPI, React, TypeScript, MCP, Groq (Llama 3.3 70B)* 2026

- Built an autonomous agent that connects to any Splunk instance over MCP and runs an Orient/Reason/Investigate loop across **13 MCP tools**, with graceful LLM fallback when 4 tools fail.
- Parsed live SPL into a typed relationship graph to trace dependency chains and detect orphaned objects and dead alerts as graph-structural properties; streams reasoning live via SSE.

Shipped Products | *Nodex (Chrome Web Store), Ultimate Weapon Ball (Google Play)* 2025

- Independently built and published two products to live app stores: a Chrome extension for hands-free video control via facial-gesture detection, and a Unity/C# game shipped through the full signing and Play Console pipeline.

Hackathons | *8+ projects across DeveloperWeek NY, Hacklytics @ Georgia Tech, Splunk, and more* 2025 - 2026

- Ship fast under pressure, often solo or in a two-person team, usually with a working demo and live deployment; took 3rd at my college hackathon with a project built in 6 of the 24 allotted hours.

TECHNICAL SKILLS

Languages: Python, JavaScript/TypeScript, Java, C#, Swift, SQL, R

Frameworks: Django / DRF, FastAPI, React, Next.js, Node.js, Unity, SwiftUI

Tools & Cloud: Git/GitHub, Docker, PostgreSQL, Supabase, MCP, REST APIs, Google Cloud, Vercel

LEADERSHIP & BACKGROUND

Resident Assistant, Rhodes College Fall 2026

Head Event Organizer - Turkic Student Association *2026 - Present*

- **ITF Taekwondo World Champion (2025)**, World Games Champion (2024), Asian Champion (2021); active in the Kyrgyz Republic Taekwondo Federation through family.
- Built production websites for Central Asian clients, including the official Kyrgyz Taekwondo Federation site; first-generation international student from Kyrgyzstan.