

Jon Kovaçi

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EDUCATION

UBT – University of Business and Technology

Bachelor of Science in Computer Science

Pristina, Kosovo

Oct. 2024 – Present

PROJECTS

YouTube Channel Automation | *Node.js, Fastify, Express, FFmpeg, YouTube API, Twitch API* [Live Demo](#)

- Built a fully automated daily content pipeline fetching multiple game channels highlights from Twitch via API
- Processed and merged clips using FFmpeg, auto-generating thumbnails and uploading to YouTube on schedule
- Implemented cron-based task scheduling, Google OAuth, and Semantic Release for streamlined CI/CD

theTruth | *React 19, Vite, Tailwind CSS, Node.js, Express, MySQL, JWT, AWS S3*

- Full-stack podcast streaming app (university project) with role-based access control (Admin, Manager, User), JWT authentication with refresh token rotation, and bcrypt password hashing
- Integrated AWS S3 for cloud media storage with pre-signed URL generation; built transcript management with timecode segments, episode commenting, and subscription system
- React 19 frontend featuring drag-and-drop playlist editing (DnD Kit), dynamic artwork color extraction, and Axios-based JWT refresh interceptor; Vite proxy for seamless API routing in development

quizizzSoft | *React 19, TypeScript, Vite, Tailwind CSS 4.1, Express, LLM Integration*

- Full-stack quiz automation platform with Quizizz API integration and locally-hosted LLM inference for intelligent answer generation
- React 19 frontend with TypeScript, Tailwind CSS 4.1, and Radix UI primitives following production-ready component architecture
- RESTful Express backend with Axios and CORS configuration for secure and scalable client-server communication

Scrapefy | *Node.js, Express, Cheerio, Elasticsearch, AI-Powered Data Enrichment*

- Production-grade multi-store e-commerce scraper targeting 5 Albanian stores with a 99%+ success rate
- Engineered parallel task processing across 41,000+ jobs, indexing 121,334+ products in under 38 minutes
- Integrated Elasticsearch for real-time product indexing and an LLM layer for automated data enrichment and classification

moodleAI | *Browser Extension, JavaScript, LLM API Integration*

[GitHub](#)

- Open-source browser extension that helps users work through Moodle quiz questions using their own AI API keys
- Designed a lightweight client-side architecture that integrates directly with LLM providers without routing data through a third-party server
- Published as an open-source project on GitHub for community use and contribution

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, SQL.

Frontend: React, Tailwind CSS, HTML/CSS.

Backend: Node.js, Node.js, AWS S3 (pre-signed URLs, media storage), Express.js, MySQL, MongoDB, Discord.js.

Developer Tools: Git, ESLint, Semantic Release, Nodemon, Vercel, VS Code, Vite, Docker.