

HRISTIЈAN MIЈALKOV

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PROFESSIONAL SUMMARY

Full-stack engineer and data scientist with **5+ years** shipping production systems in **fintech, e-commerce, and ML**. Engineered a multi-tenant banking and e-commerce SaaS platform with microservices architecture handling KYC onboarding, FX wire transfers, and payment flows at Vista Point. Built AI-integrated backend tools and a real-time BI dashboard for Microsoft Teams at Xient GmbH (Germany). Experienced designing **Microservices, Multi-Tenant SaaS, Event-Driven, and Lambda architectures**. Proven across Angular, Node.js, Go, FastAPI, Flask, Python, PySpark, AWS, SQL, NoSQL, JavaScript, CSS, and HTML.

WORK EXPERIENCE

Vista Point

Senior Full-stack Developer

North Macedonia

May 2022 – Present

- Engineered a multi-tenant banking and e-commerce SaaS platform with microservices architecture (Angular, Node.js, MySQL, Redis, Java, C#, HTML, CSS, JavaScript) handling KYC onboarding, cross-border wire transfers, and FX trading.
- Cut feature delivery time **~40%** by refactoring a monolithic Angular codebase into a reusable component library, eliminating duplicated logic across KYC, wire-transfer, and FX trade screens.
- Secured REST API endpoints covering compliance-sensitive operations - identity verification, fund transfers, and role management - by implementing JWT auth and refresh-token rotation.
- Reduced high-traffic endpoint response times **~35%** by introducing Redis read-through caching and rewriting inefficient MySQL queries, improving throughput under peak transaction load.

Xient GmbH

Backend Engineer

Germany (Remote)

Jun 2024 – Present

- Shipped a Microsoft Teams tab application (FastAPI, Python) embedding a BW/4HANA KPI dashboard as both a personal and channel tab, surfacing real-time business intelligence data directly within Teams.
- Delivered a full-stack documentation PDF export tool (Go, React, Next.js, Python, Playwright) with BFS site crawling, per-section ZIP packaging, and SSE-streamed generation progress.
- Wired an on-premise SAP S/4HANA + BW system to a locally-hosted LLM (Ollama on Nvidia DGX Spark) via RFC/BAPI and OData; built Python extraction pipelines enabling zero-cloud AI-powered data analysis.

Support Kocani

Volunteer Developer

North Macedonia

Mar 2025 – Apr 2025

- Designed and shipped supportkocani.com (PHP/Laravel, AWS) within **72** hours of the Kocani disco fire, enabling real-time donation tracking for hundreds of affected families.
- Integrated OpenAI Vision API to automatically parse wire-transfer and cheque screenshots, eliminating **~4** hours of daily manual donation tallying and accelerating fund distribution to injured victims.

Freelance

Full-stack Developer & Tutor

North Macedonia

Dec 2021 – Present

- Delivered **2** production websites end-to-end (solar energy provider, PVC construction company) covering requirements, UI/UX, full-stack development (HTML, CSS, JavaScript, PHP), and deployment, enabling clients with no prior web presence to generate online leads.
- Taught web development (Angular, Node.js, HTML/CSS/JS) and data science (Python, Pandas, SQL, ML, Deep Learning, LLMs, RAG systems) across 1-on-1 and small-group sessions, adapting curriculum to individual skill levels.

Loka & nf-core Bioinformatics Hackathon

Open-source Contributor

North Macedonia

Mar 2026

- Contributed code improvements, bug fixes, and documentation to nf-core Nextflow pipeline modules at an international hackathon, collaborating with researchers on reproducible bioinformatics workflows.

TECHNICAL SKILLS

Languages: Python, Go, TypeScript, JavaScript, Java, C#, C/C++, SQL, PHP, Bash/Shell

Web & APIs: Spring Boot, Angular, NestJS, Node.js, .NET, FastAPI, Flask, HTML, CSS, Tailwind CSS, REST APIs, WebSockets, Nginx

Databases: MySQL, PostgreSQL, MongoDB, Redis, AWS RDS, AWS Aurora

Data & ML: PySpark, Apache Spark, Apache Flink, Kafka, scikit-learn, Pandas, Matplotlib, Seaborn, Deep Learning, LLMs, RAG, Data Mining, ETL, MLOps, Databricks, Statistics, Data Visualization, Bioinformatics

Cloud & DevOps: AWS (S3, EC2, IAM, CloudFront, Lambda), Docker, Kubernetes, CI/CD, Jenkins, Git, GitHub, Linux/Unix, SSH

Architecture: Microservices, Multi-Tenant SaaS, Event-Driven, MVC, REST APIs, ETL Pipelines, Lambda Architecture, Hexagonal/Clean Architecture

Tools: SAP, Hypatos, GitHub, ClickUp, Postman, Jira, Confluence, GitLab, Bitbucket, OpenAI API, Contentful

| SELECTED PROJECTS

Student Grading App with LLMs github.com/HowlinMan24/Student-Grading-App-with-LLMs

Spring Boot · Angular · MySQL · JWT · Docker · OpenAI API

- LLM-powered grading platform (Spring Boot, Angular, MySQL) automating student submission evaluation via the OpenAI API, with JWT-secured auth and Dockerized deployment.

DAWN — Bilingual Teaching Platform In development · private repo

Go · Angular · PostgreSQL

- Solo-built bilingual (EN/MK) teaching platform for coding and economics: Go backend with a Postgres-backed schema, Angular SSR/SSG frontend for public content — actively in development.

| EDUCATION & CERTIFICATIONS

Faculty of Computer Science and Engineering (FINKI), UKIM Skopje, North Macedonia

B.Sc. Software Engineering & Information Systems

GPA: 3.4/4.0

AWS Certified AI Practitioner Amazon Web Services

Languages: Macedonian (Native) · English (C1) · German (A2)