

Gerald Nika

Upper-mid-level Full-Stack Web Developer

Tirana, Albania

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WORK EXPERIENCE

Upper-Mid Full-Stack Web Developer @ RASH - Academic Network of Albania

Tiranë, AL | Oct 2025 - Present

Core duties:

- Develop and maintain Pitagora's frontend and backend, resolving hundreds of bugs and delivering dozens of features on production-critical systems. Design robust and scalable solutions without ruining existing functionality while improving long-term maintainability.
- Mentored and trained junior developers by breaking down complex projects into manageable tasks, explaining project workflows and requirements, and tracking progress through completion.

Solely-built achievements:

- Built Pitagora's Angular/Ionic mobile app, giving students access to grades, credits, exams, registrations, results, payments, and invoices.
- Designed and developed a payment-management system for Pitagora, covering contract years, installments, partial/full payments, reversals, obligations, currencies, deadlines, and banking data.
- Built Hëna, an AI assistant, using Python, OpenAI, and RAG to provide step-by-step guidance grounded in Pitagora's knowledge base.
- Internationalized Pitagora, enabling instant Albanian/English switching across the platform.
- Solely developing SmartFiscal from planning onward: a modular, scalable platform for Albanian fiscalization, e-invoicing, inventory, and financial reporting. Implementing cash/non-cash invoicing, payments, discounts, corrective documents, QR codes, UBL 2.1 e-invoices, and CIS integration using XML, digital signatures, and SOAP. Building warehouse operations, stock tracking, transfers, physical inventory, product ledgers, dashboards, reports, and business-management modules. Designing its secure multi-tenant architecture with RBAC, RLS, JWT, secure cookies, token rotation, CSRF/XSS protection, OWASP practices, Redis, TOTP MFA, throttling, data isolation, immutable audits, idempotency, atomic numbering, and structured logging. Building the Angular SPA with standalone components, lazy loading, Reactive Forms, Signals, RxJS, guards, interceptors, reusable CRUD components, and centralized API handling.

Freelance Full-Stack Web Developer

May 2024 – Jun 2025

Delivered to clients:

- Web application using Angular, Node.js, and MongoDB for browsing, booking, and paying for events.
- Next.js & Firebase app for meal planning, recipes, and shopping lists.
- Laravel & Vue.js portfolio/blog management with role-based access.
- React/Node.js/PostgreSQL job portal with search and analytics dashboards.

Full-Stack Web Developer @ ARK IT

Tiranë, AL | Jan 2024 – May 2024

- Reusable video player component with Node.js, Express.js, Vue.js.
- CRUD for annotations, subtitles, live transcription, playlists, and thumbnails.
- Mono-repo architecture for multi-project scalability.
- AI experimentation with Python & PyTorch.

Back-End Web Developer @ ArkEvo Group

Tiranë, AL | Jan 2023 – Jan 2024

- Solely developed 3 client CRMs end-to-end with Laravel, including invoicing, reporting, and dashboards.
- Implemented roles/permissions and notifications using Laravel Spatie.
- Integrated DataTables for advanced data management and 3CX for real-time communications.
- Added task tracking and real-time notifications for process management.

Full-Stack Web Developer @ IT-Works

Tiranë, AL | Nov 2021 – Jan 2023

- Contributed to insurance management portal using Angular, Django REST, and Ionic.
- Built Ionic mobile app for judicial platform.

Full-Stack Web Developer @ New Media Communications

Tiranë, AL | Jun 2020 – Nov 2021

- Developed dynamic front-end interfaces with Angular and Angular Material.
- Built back-end systems with Laravel for improved integration and reliability.
- Created custom Bootstrap themes for consistent branding and UX.

INDIVIDUAL PROJECTS

Adequate (2015): A lightweight PHP MVC framework I developed for small and medium-sized web apps.

Task Management System (2024): A task management SPA, built with Angular and TypeScript. Used advanced Angular.

Carcinoma (2020): A classifier for breast tumors as benign or malignant. Used deep learning.

Dailymart (2020): A marketplace and social platform built with Laravel and Vue.js.

LibSource (2018): A library management system built with Adequate.

iCover (2015): Fully-featured raw-coded social network. Built on top of Adequate.

Repos: github.com/geraldgnika

EDUCATION

B.Eng. Software Engineering @ Canadian Institute of Technology

Tiranë, AL | Oct 2017 – Jun 2020

SKILLS

JavaScript, TypeScript, Python, SQL, HTML, CSS, React, Angular, RxJS, Node.js, REST APIs, PostgreSQL, MySQL, MongoDB, Redis, Docker, CI/CD, Git, Jest, OOP, Design Patterns, Responsive UI/UX, Performance Optimization, TensorFlow, Keras, scikit-learn, pandas, NumPy, OpenAI API, RAG, i18n, Sentry

LANGUAGES

Albanian: Native; **English:** Advanced (C1 – Academic IELTS Certified); **Turkish:** Basic (A2).