

Nikos Drosakis

Senior Web Developer

Portfolio: <https://dev.nikosdrosakis.gr>

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Location: Palaio Faliro, Attiki, Greece

Summary

Results-driven and performance-oriented Full Stack Developer with expertise in end-to-end web development, server administration, and database design. Proven track record in designing and implementing scalable, secure, and high-performance systems. Adept at collaborating with cross-functional teams to ensure seamless functionality from DNS to the browser. Strategically and innovatively thinker, highly motivated with strong problem-solving and analytical abilities. Excellent collaboration and social communication skills, with a continuous learner's mindset for staying current with emerging technologies.

Technical Skills

Languages: PHP, JavaScript, Python.

Frontend: HTML, CSS, JavaScript, React.

Backend: Node.js, Fast API, Flask.

Databases: MySQL, Redis, MongoDB.

Technologies: DNS, Bind, WebRTC, WebSocket, Web Storage, AJAX, REST, JSON.

Web Frameworks/Libraries: Symfony, WordPress, Socket.io.

Server Admin OS: Ubuntu, Debian.

Web Servers: Apache, Nginx.

Methodologies: Unit Testing - Data Structures, Design Patterns, SEO.

DevOps: Git, Docker.

Virtualization: VirtualBox, Hyper-V, ProxMoc.

Project Management: Jira, Clickup.

Employment Profile

- Web Developer, Lead, DBA, Developer, Server Admin - Upvolume, Athens (2014 - 2023).
- Web Developer & Administrator – Artistic Company Founder & Developer, Artes Mundi (2012–2014).

Main development projects

- Speed Employer Platform (lead developer, DBA, server admin, web services) (2014 - 2023)
 - PHP, JavaScript, Web Services Nodejs, WS, WebRTC, Socket.io
 - Awarded productivity bonus twice in 2014-2015, achieved high performance.
 - Build from scratch a platform of a two-year project, upgraded & maintained it for almost ten years
 - Lead a team of 6 (3 IT, 3 QA) for 6 years.
- Gaia CMS, Web Engineer-Developer (CMS), (2013-2016)
 - PHP, JavaScript
 - Specialized in custom CMS used for publications management with custom tools and libraries.
- Artes Mundi, Official Website, Administrator & Developer, (2010 - 2012)
 - WordPress, Static Websites, SEO
 - Blogging Custom Setup, Marketing of Artistic Projects, SEO

Programming Experience

- Streamlined efficiency of application architecture for database scalability and coding reusability with custom personal coding libraries, rewrote from scratch a three-year project in 3 months.
- Engineered and served ceaselessly as the technical lead for 10 years in a large and complex project, providing maintenance, debug, and monitoring for consistent upgrades and daily updates to maximize speed and performance.
- Designed and built administration panels, including ticketing, while refactoring schemas and maintained multiple project modules.
- Utilized consistency and APIs to produce analytical dashboards and messaging tools.
- Achieved more than 90% of ideal performance (Lighthouse) in custom multi-criteria search engine of 10 million rows in the main records database (17GB DB size), using frontend (web storage, cache machines), database tuning and indexing, and custom APIs to support different types of data content.
- Developed a real-time streaming application for multi-peer messaging and interview conferences in 20 days.
- Created specialized solutions for each concept, with custom coding patterns, and actively promoted systematic and quantifiable approaches towards successful development of high-quality, ubiquitously usable Web systems and applications.
- Orchestrated multiple data types in 3 databases (relational, non-relational and cache) to work at their maximum performance simultaneously internal build in platform and externally (API), while utilized the web storage solutions to maximum efficiency.
- Provided 1 large upgrade every two years from language and databases to frontend templates.
- Setup development, staging and production servers with high standard, virtualization and git operated system, writing multiple scripts for packaging and synchronization in one 1 month, while leveraged both personal patents and modern practices to convert a large monolithic schema to microservices, switching to more modern coding and integration of more modern coding standards.
- Open-source community active the last 11 years (GitHub, Stack Overflow score 2278).

Education

- **Industrial Management**, University of Piraeus; 1996–2000

Languages

- **English** Fluent
- **Greek** Native