

Darko Gjorgjioski

Software Architect · Principal Software Engineer

Open to remote senior, staff, and software architect roles



darkog.com linkedin.com/in/gdarko github.com/gdarko

Software architect and principal engineer with 12+ years of experience building SaaS, commerce, and business platforms. Combines hands-on development with cloud infrastructure and technical leadership. Built a managed search platform with more than 2,000 cumulative instance deployments and architected an ERP for the Macedonian market.

Professional experience

Principal Software Engineer · Ideologix 2025-Present

Full-time

- Lead architecture, development, and production operations for client platforms and in-house products.
- Architected Smetko ERP and led a team of two, collaborating with accounting and finance experts.
- Built CelerSearch's provisioning and billing platform, supporting more than 2,000 cumulative Meilisearch instance deployments.
- Develop Smetko BSS, shared billing for micro-SaaS products, and CodeVerve plugins for licensing, payments, and integrations.
- Built Recepti.mk and Recipeist.app Android apps from one cross-platform codebase with market-specific build flavors.
- Build agentic AI systems and n8n automations; integrated AI-assisted classification and analysis with responses streamed into client applications.
- Consolidated scattered VPS deployments onto Kubernetes on Hetzner Cloud; introduced Argo CD GitOps and CI/CD across projects.

Fractional Full-Stack Engineer · ILNP 2023-Present

Freelance engagement

- Develop features and integrations for the WooCommerce store.
- Built a Kubernetes cluster on on-premises hosted infrastructure.
- Built an observability stack with Grafana, Loki, Tempo, VictoriaMetrics, and OpenTelemetry.

Senior Software Engineer · Toptal 2020-2026

Selected contract engagements through Toptal:

Andsimple.co Oct 2025-Sep 2026

Senior Software Engineer · Freelance (hourly)

- Contributed to the transition from the existing WordPress platform to a new platform.
- Worked on AI integrations and DevOps as part of the transition.

Northeastern University College of Science 2022-2023

- Advised engineering students on architecture for a Python-based clothing recommendation API.
- Mentored the team on AWS SageMaker deployment, GPU-accelerated training, and inference.
- Built the frontend integration connecting the recommendation API to WooCommerce.

Toptal engagements (continued)

Propellor BV

2022-2023

- Led the development team in modernizing an in-house WordPress plugin for B2B commerce.
- Optimized web deployments and application performance to support scaling for B2B clients.

7055 Inc

2020-2022

- Built a multi-vendor marketplace using Stripe Connect and deployed it on Google Kubernetes Engine (GKE).

Earlier experience

Software Developer · St. Petersburg Group

2017-2020

Contract engagement

- Built software and tools for news publishing.
- Contributed to the MVP of the new Cityverse platform.

Software Engineer · JTR Solutions

2016-2017

- Maintained applications built with Laravel and Vue.
- Maintained a SaaS web application built with React and Node.js.

Freelance Software Developer

2014-2016

- Completed 120+ successful projects, primarily through freelance platforms including Upwork.
- Worked part-time on a project for Starbucks China.

Products

Smetko · ERP ecosystem, developed at Ideologix

Architected a Laravel modular monolith connecting sales, purchasing, finance, and operations for the Macedonian market. Shared business capabilities support modules for different industries while keeping common records connected.

The ecosystem includes a web portal, a desktop point-of-sale application built with Tauri and Rust, and integrations with third-party services. Worked with accounting and finance experts to connect business requirements to the architecture.

CelerSearch · Managed search cloud, developed at Ideologix

Designed and built a managed Meilisearch platform for custom applications and CMS platforms. A Laravel control plane handles customer provisioning and billing; a distributed Go agent manages TLS routing, quotas, and container lifecycle.

Customers provision instances through a portal and connect through the Meilisearch API or the WordPress/WooCommerce integration. The platform has deployed more than 2,000 instances cumulatively.

CodeVerve · WordPress products, developed at Ideologix

Develop commercial WordPress plugins covering software licensing, automatic updates, payments, and media integrations. Work includes the product capabilities and integration paths used by WordPress and WooCommerce sites.

Recipeist / Recepti.mk · Web and Android apps, developed at Ideologix

Built a shared Nuxt and Capacitor codebase with market-specific build flavors for the domestic and global products. A Laravel API and admin interface support recipes, accounts, media, and moderation.

Recipeist includes AI-assisted moderation, editorial drafting, and semantic search using PostgreSQL with pgvector and OpenRouter.

Open-source projects

InvoiceShelf · Core maintainer since 2024

Maintain a self-hosted invoicing platform for individuals and small businesses. Work includes multi-company access with scoped roles, invitations, and data isolation, plus security hardening across PDF generation, file handling, and API authorization.

The v3 modernization applies Domain-Driven Design to a Laravel modular monolith, with explicit contracts between business contexts and a Vue 3/TypeScript frontend. Developed AI-assisted invoice scanning for the 3.0 workstream.

Packyard · Author

Built a self-hosted Composer registry in a single Go binary, with an embedded admin UI, organization-scoped tokens, S3-compatible storage, and GitHub/GitLab synchronization. Hosts private PHP packages without a PHP runtime.

Eter · Author

Built an internet radio player for macOS, Windows, and Linux using Python and Qt 6. Shared playback and station management support tray and window interfaces, editable station libraries, and recovery from dropped streams. Packaged platform-specific releases with PyInstaller.

Cyberdeck · Author

Built an ESP8266 desk display in C++ with PlatformIO. Weather, exchange rates, and system health share a compact LCD interface, with cached screen content and scheduled refreshes suited to the device's memory limits.

Case studies and more work: darkog.com/projects

Technical foundation

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

Product engineering: Laravel, Symfony, WordPress/WooCommerce, React, Vue/Nuxt, Node.js

Platforms and delivery: Kubernetes/K3s/EKS/GKE, Docker, AWS, GCP, Azure, Linux, Argo CD, GitHub Actions, GitLab CI/CD

Data and interfaces: PostgreSQL, MySQL/MariaDB, Redis, S3, REST, GraphQL, gRPC

AI and automation: n8n, LangGraph, LangChain, LangSmith, Amazon Bedrock, AgentCore, OpenRouter, RAG, tool calling, evaluation

Education and professional standing

M.Sc. Software Engineering · In progress

2024-Present

Ss. Cyril and Methodius University, FCSE. Focus: software architecture, system design, DevOps and infrastructure, cybersecurity, and AI.

B.Sc. Computer Science & Information Technology

2013-2018

Ss. Cyril and Methodius University, FCSE.

Toptal Verified Expert in Engineering, member since May 2020.

Speaker: WordCamp Skopje 2018 and 2019.

Languages: English and Macedonian (spoken); Bulgarian and Serbo-Croatian (comprehension).