

Umejr Demir

Full-Stack Engineer · Backend & Cloud Infrastructure

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Bosnia and Herzegovina · English (near-native), Bosnian (native)



SUMMARY

Full-stack engineer with 5+ years of experience building and operating production systems end to end. I take products from an empty repository to production, owning architecture, implementation, deployment, and ongoing operation across backend, web, mobile, and infrastructure.

EXPERIENCE

Founder & Software Engineer — Plamen

2021 – Present

Independent software studio · plamen-it.com

- Founded and operate an independent software studio focused on building and shipping software products from concept to production.
- Design, build, and maintain products across web, mobile, and desktop, including **GoBosnia**, **Zeno**, and **Dockmaster** (see Selected Projects).
- Own the complete engineering lifecycle, from system architecture and data modeling to application development, CI/CD, deployment, and production operations.
- Build and operate the backend, clients, databases, and infrastructure for each product, with a focus on maintainability, reliability, and independent delivery.

Technologies: Go, TypeScript, Flutter, Next.js, PostgreSQL/PostGIS, Electron, Docker, GitHub Actions

Software Engineer, Frontend — Pickleball.com

Oct 2025 – Present

US sports platform · pickleball.com

- Build and ship frontend features across a large sports platform covering leagues, clubs, tournaments, ladder leagues, and internal administration tools.
- Own frontend development for major areas of the platform, with a primary focus on complex admin workflows and operational interfaces.
- Implement Stripe-backed checkout and subscription flows, handling payment states, retries, failures, and edge cases across the purchase journey.
- Develop reusable design-system components used across the platform, improving consistency and development speed.

Technologies: Next.js, React, TypeScript, Stripe, Tailwind CSS

Software Engineer — MB-Smart GmbH

Aug 2022 – Oct 2025

German IT remarketing company · mb-smart.de · rehype.de

- Architected and deployed the rehype platform, a multi-seller e-commerce system supporting trade-in workflows, shipping integrations, and automated customer communication.
- Designed and implemented a distributed microservices architecture using NestJS and Go, with RabbitMQ-based asynchronous processing and Redis caching for performance-critical workflows.
- Optimized PostgreSQL schemas and query performance for inventory-heavy workloads through data modeling improvements, indexing strategies, and targeted caching.
- Owned end-to-end DevOps operations, running containerized services on Docker and Kubernetes with GitLab CI/CD pipelines enabling automated deployments and zero-downtime releases.

Technologies: NestJS, Go, PostgreSQL, RabbitMQ, Redis, Kubernetes, Next.js

SELECTED PROJECTS

GoBosnia — Tourism platform for Bosnia and Herzegovina

Mobile and Website

Live · iOS App Store and Google Play · [gobosnia.com](#)

- End-to-end tourism platform helping users discover places, events, and travel experiences across Bosnia and Herzegovina.
- Built and operate the complete product ecosystem, including mobile apps, web platform, backend services, administration tools, and supporting infrastructure.
- Implemented location-based discovery, multilingual content management, and automated workflows to support platform growth.

Zeno — local-first, zero-knowledge personal workspace

Windows, macOS, Linux

Live · [zeno.plamen-it.com](#)

- Built a privacy-focused desktop workspace combining secure storage, project management, notes, finance tracking, bookmarks, and visual organization in a single application.
- Designed a local-first architecture with encrypted data storage and a zero-knowledge security model, ensuring sensitive user data remains protected on the user's device.
- Developed a modular desktop application spanning eight core areas: vault, boards, notes, calendar, finance, links, infinite canvas, and encrypted backups.
- Built the complete product lifecycle independently, including application architecture, frontend, data layer, packaging, and cross-platform releases.

Dockmaster — desktop command hub for local development

Windows, macOS, Linux

Freeware · [dockmaster.plamen-it.com](#)

- Built a cross-platform desktop tool for managing local development environments, allowing developers to group services into projects and control complete stacks from a single interface.
- Developed a lightweight local backend with process orchestration, lifecycle management, and real-time log streaming without requiring exposed network services.
- Automated build and release pipelines producing installers and releases across Windows, macOS, and Linux.

SKILLS

Languages	Go, TypeScript, JavaScript, Dart, Python
Backend & APIs	Go, Node.js, NestJS, REST, JSON-RPC, microservices, message-driven systems
Frontend & Mobile	React, Next.js, Flutter, Electron, Tailwind CSS
Databases & Storage	PostgreSQL, PostGIS, Redis, SQLite, MinIO (S3)
Infrastructure & Cloud	Docker, Kubernetes, AWS, Linux, Nginx, Cloudflare
DevOps & Tooling	GitHub Actions, GitLab CI/CD, Git, Firebase

EDUCATION & CERTIFICATIONS

BSc in Software Engineering (240 ECTS)

2020 – 2024

Amman Arab University — Amman, Jordan

Harvard CS50x — Introduction to Computer Science

Verified certificate