

# EMIR EMRE BAŞDAĞ

Senior Full-Stack .NET & Next.js Engineer | Government & Enterprise Systems

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## PROFESSIONAL SUMMARY

Senior full-stack engineer with 6+ years building large-scale government, university, and enterprise systems using ASP.NET Core, Next.js, React, and SQL Server. Delivered national-level platforms for the North Macedonian Parliament, Office of Industrial Property, and National Archive, plus complete digital transformation of International Balkan University (15,000+ records digitized). Proven ability to lead end-to-end development from requirements gathering through deployment, with expertise in RESTful APIs, multilingual applications, authentication workflows, and cloud infrastructure. Strong track record reducing manual workflows by 60-70% and improving operational efficiency across public and private sectors.

## CORE TECHNICAL SKILLS

**Backend:** ASP.NET Core 8, ASP.NET MVC 4.0, C#, Web API, Entity Framework Core, RESTful APIs, Node.js

**Frontend:** Next.js, React, TypeScript, JavaScript, Tailwind CSS, jQuery, Bootstrap, Razor

**Databases:** SQL Server, T-SQL, PostgreSQL, MongoDB

**DevOps & Cloud:** Docker, Azure App Service, Azure SQL, CI/CD, Git/GitHub

**Authentication & Security:** OAuth 2.0, Identity Framework, JWT, role-based access control, data encryption

**Integration:** Stripe API, third-party REST APIs, ClockPMS integration, payment gateways

## PROFESSIONAL EXPERIENCE

**International Balkan University**

## **Full Stack Developer**

Dec 2023 – Present

*Skopje, North Macedonia*

- Led complete digital transformation of university operations, developing 8 interconnected systems (management, HR, library, asset, career center, lifelong learning, task management, alumni platform) using ASP.NET MVC, C#, and MSSQL
- Architected and deployed centralized student management system handling 15,000+ records with course registration, grading, transcript generation, and academic reporting across two institutions
- Reduced paperwork and manual administrative workflows by 70% through automation and role-based access control
- Built HR application managing employee lifecycle including contracts, leave requests, attendance tracking, payroll processing, and performance reviews

## **TreTek**

### **Full Stack Developer (Part Time)**

Jun 2019 – Present

*Prishtina, Kosovo*

- Developed and maintained web applications using ASP.NET Core and modern JavaScript frameworks for diverse client requirements
- Optimized front-end performance by refactoring JavaScript, CSS, and image assets, reducing page load times by 35%
- Modernized legacy codebases to current development standards, improving maintainability and security

## **threedots**

### **Full Stack Developer (Project Based)**

Jan 2023 – Jul 2025

*Skopje, North Macedonia*

- Developed full-stack web applications with ASP.NET backend and responsive frontends, integrating third-party APIs for enhanced functionality
- Built functional databases, application servers, and backend services to support client websites and business applications
- Conducted code reviews, debugged complex issues, and optimized database queries for improved performance

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## **SELECTED PROJECTS**

## **Translation Workflow Platform – National Assembly of North Macedonia (Parliament)**

*Tech Stack: ASP.NET Core, C#, React, MSSQL | July 2025 – Present*

- Developed enterprise translation management system for parliamentary documents, rulebooks, and official publications with ASP.NET Core REST APIs and React frontend
- Implemented role-based workflow automation for translators, reviewers, and administrators with version tracking and audit trails
- Integrated multilingual content management ensuring consistent publication across Albanian and Macedonian languages
- Reduced translation processing time by 40% and improved accuracy through automated notifications and task management

## **eArchive – Government Digital Archive System (National Archive & Public Health JZU)**

*Tech Stack: ASP.NET Core 8, C#, Entity Framework Core, PostgreSQL, Docker*

- Built secure, scalable digital archiving system for North Macedonia government institutions, handling document upload, indexing, search, and compliance management
- Designed RESTful APIs with data encryption, role-based access control, and comprehensive audit trails meeting national privacy regulations
- Digitized critical government records, improving retrieval speed by 80% and eliminating physical archive dependence

## **Industrial Property Management System – Office of Industrial Property, North Macedonia**

*Tech Stack: ASP.NET Core API, C#, Entity Framework Core, PostgreSQL, Docker*

- Developed back-office document management system for national industrial property filings (patents, trademarks, designs)
- Built secure REST APIs managing document lifecycles, applicant records, examination workflows, and legal compliance tracking
- Streamlined filing processes and improved inter-departmental collaboration through centralized data access

## **Park Hotel Fitness Management System – Parkland Group**

*Tech Stack: Next.js, React, TypeScript, Node.js, SQL Server*

- Built comprehensive fitness management platform for Parkland Group/Hotel Park handling membership subscriptions, access control, class booking, and payment processing
- Developed admin dashboard for staff to manage member profiles, track attendance, process payments, and generate operational reports
- Integrated payment gateway (Stripe) for recurring subscription billing and one-time purchases
- Increased operational efficiency by 50% through automated workflows and reduced manual data entry

## RingRing – Restaurant Booking & Ordering Platform

Tech Stack: Next.js, React, Tailwind CSS, Node.js, MongoDB

- Built full-stack gastronomic service application for North Macedonia restaurants, handling reservations, order management, and customer engagement
- Implemented server-side rendering with Next.js for SEO optimization and fast page loads (sub-2-second initial paint)
- Developed real-time booking engine with MongoDB change streams, preventing double-bookings and providing instant confirmations

## eMATTO – Chamber of Commerce Digital Platform

Tech Stack: ASP.NET MVC 4.0, C#, MSSQL, Razor | Aug 2024 – Present

- Developed digital management platform for Chamber of Commerce of North Macedonia-Türkiye, streamlining member registration, activity tracking, and internal communication
- Implemented multilingual support (Turkish/Macedonian) with localized UI for cross-regional usage
- Reduced manual administrative tasks by 60% through workflow automation and data validation

## EDUCATION

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### Master of Science in Computer Science

International Balkan University | Graduated: 2026 | Skopje, North Macedonia

### Bachelor of Science in Computer Science

International Balkan University | Graduated: 2024 | Skopje, North Macedonia

## ADDITIONAL INFORMATION

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**Languages:** Turkish (Native), English (Fluent), Macedonian (Intermediate)

**Open to:** Remote opportunities, hybrid roles, relocation within Europe

**Availability:** Immediate (currently employed, 2-week notice)

**Work Authorization:** Turkish citizen, work permit holder in North Macedonia