Emir Birgiç - Software Engineer

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ABOUT

With 7+ years of experience, have been part of cross-functional teams, planned, developed and tested many different applications in many different domains. Demonstrated strong mastery of project management, problem solving and software development. Thoroughly and impartially research complex situations, analyze and solve problems, align conflicting project objectives, find acceptable compromise with regard to limitations in expenses, time, knowledge, existing systems and, organization.

EXPERIENCE

Backend Developer | *Theyr Ltd.*   November 2022 - Present

- Transitioned microservices from pure HTTP communication to a more robust gRPC architecture, enhancing service orientation and efficiency.
- Designed and deployed AWS Lambda health check alarms with Microsoft Teams integration for real-time service monitoring.
- Engineered a custom AWS EC2 Auto Scaling algorithm to efficiently allocate long-running computational tasks, resulting in cost savings up to 30% and faster delivery to clients.
- Developed multiple micro-services to streamline operations and facilitate modular development.
- Optimized SQL queries and implemented caching mechanisms utilising Redis to improve database read performance by approximately 50%.
- Parallelized and fine-tuned critical endpoints, achieving reductions of up to 80% in API response times.
- Developed solutions are currently actively being used on many vessels on the sea.

Backend Developer | *CTS Eventim*   March 2022 - August 2022

- Orchestrated the seamless API integration of third-party ticketing solutions into Eventim's in-house platform, automating event data synchronization and accelerating the ticket sales lifecycle, thereby minimizing manual oversight.
- Worked with European developers and global event providers to ensure accurate data conversion and customization.
- Leveraged existing tech stack, primarily C#, .NET Framework 4.7.2, and MSSQL, for backend development and navigated legacy Visual Basic code to maintain specialized functionalities.

Backend Developer | *Theyr Ltd.*   July 2021 - March 2022

- Helped designing, developing and deploying 3 business critical Web APIs and countless background workers that all together forms a distributed, cloud based enterprise solution.
- Successfully migrated legacy .NET Framework solution to .NET environment and implemented recent business requirements, overseen deployment practices, and introduced new tooling.
- Analyzed and translated business requirements into development activities in secure and maintainable code.

Freelance/Contractor Software Developer | *Self-Employed*   2016-2021

- Adept at self-directed learning, mastering a multitude of programming languages and technologies.
- Spearheaded diverse projects for an array of clientele, solving distinct, complex challenges.
- Seasoned freelancer with proficiencies in:
    * C# .NET & .NET Framework
    * C/C++
    * x86/x64 Assembly
    * Java
    * Javascript/Typescript
    * MySQL/MSSQL
- Demonstrated agility in rapidly assimilating new technologies and adapting to evolving requirements.

EDUCATION

Southern Federal University   2019-2024
Bachelor's Degree in Computer Science

CERTIFICATIONS

Modern Web Geliştirme Kursu — Sıfırdan Sektörün Yükseklerine Udemy, 2020
.NET Core Microservices - The Complete Guide (.NET 6 MVC) (Udemy, 2022)
Cloud Fundamentals: AWS Services for C# Developers by Nick Chapsas (Dometrain, 2023)

SKILLS

Languages: C#, C, C++, Java, Python, JavaScript/TypeScript, HTML/CSS, x86/x64 Assembly
Tools: Git, Atlassian suite, IDA, Visual Studio, VS Code, IntelliJ IDEA, Docker, IIS, TeamCity
Frameworks: .NET & .NET Framework, Spring Boot, Django, React, Next.Js
Libraries: EFCore, SignalR, gRPC, AWS.SDK, Apache Kafka, RabbitMQ, Redis, Mediatr and many more
Cloud: AWS, Vercel