

Recep Erdoğan

Software Engineer

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SUMMARY

Software engineer with 3 years of professional experience focused on high-scale distributed systems and performance optimization. Expert in building resilient backend architectures, migrating multi-decade legacy systems to modern cloud-native stacks, and driving engineering excellence through observability, automated testing, and agentic coding workflows.

EXPERIENCE

Nov '24 to Current	SunExpress <i>Software Engineer</i>	Antalya, Turkey
	<ul style="list-style-type: none">• Performance Optimization: Reduced P95 latency from 45s to 1.5s via DB connection pool refactoring, indexing, and heap memory refinement.• Modernization: Led end-to-end migration of 10-year legacy .NET modules to ASP.NET Core; modernized modules now handle the highest traffic volume.• Testing Culture: Established a robust testing framework by implementing comprehensive unit and integration tests for mission-critical services.• Observability & AI: Integrated Datadog for real-time log tracking and spearheaded company-wide AI PoCs and GitHub Copilot integration.• SDLC: Managed migration of repositories from Azure DevOps to GitHub with institutionalized code review processes. <p>Tech Stack: Azure Cloud, .NET Core, C#, SQL Server, PostgreSQL, Managed Redis, Event Hub (Kafka), TS, React, Datadog.</p>	
Oct '23 to Nov '24	Ericsson <i>Software Engineer</i>	Antalya, Turkey
	<ul style="list-style-type: none">• Architecture: Transitioned 20-year legacy MVC billing settings into scalable microservices using modern architecture.• Integration: Orchestrated SOAP-to-REST transition using the Adapter Pattern for seamless legacy protocol communication.• Quality Assurance: Maintained 90%+ test coverage by developing extensive unit and integration tests for SOAP-based adapters. <p>Tech Stack: Java, Spring Boot, SOAP/REST, Kafka, Redis, JUnit, Mockito, Jenkins.</p>	
Feb '23 to Sep '23	Turkcell (Atmosware) <i>Software Engineer</i>	Antalya, Turkey
	<ul style="list-style-type: none">• DB Refactoring: Refactored complex PL/SQL scripts, reducing scheduled job execution time from 5 hours to 30 minutes.• Optimization: Improved query performance by 50% through advanced tuning and index redesign for high-traffic systems.• Automated Testing: Improved data reliability by implementing Quartz jobs for database updates and maintaining rigorous testing standards. <p>Tech Stack: Java, Spring Boot, Oracle SQL, PL/SQL, Cassandra, Hazelcast, Kafka.</p>	
<h2>EDUCATION</h2>		
2023	Akdeniz University , <i>BSc in Computer Science & Engineering</i> <i>Relevant Courses:</i> Data Structures & Algorithms, Operating Systems, Database Management Systems, Design Patterns, Software Engineering, Object-Oriented Programming.	Antalya, Turkey