Mustafa Cetinkaya, MSc

Senior Software Engineer
Istanbul, Turkiye | mucet90@gmail.com | LinkedIn: linkedin.com/in/mucet | Portfolio: mucet.github.io

PROFESSIONAL SUMMARY

Results-driven Senior Software Engineer with over 8 years of experience delivering scalable, secure, and high-performance solutions in FinTech, enterprise systems, and forensic software. Proven impact in high-traffic, mission-critical applications handling 200M+ daily transactions. Expert in .NET Core, Microservices, DevOps, and Cloud (Azure) environments. Adept at collaborating with cross-functional teams, mentoring developers, and designing maintainable architectures using Clean Architecture and DDD.

CORE SKILLS

Technical: .NET Core, ASP.NET Web API, WPF, Microservices, Clean Architecture, DDD, CQRS, Mediator, TDD, xUnit, SQL, MongoDB, Redis
DevOps & Cloud: Docker, Kubernetes, OpenShift, Helm, ArgoCD, Azure, XL Release, CyberArk Conjur
Methodologies: Agile/Scrum, CI/CD, Code Reviews, Refactoring, Design Patterns

PROFESSIONAL EXPERIENCE

Senior Software Engineer – Softtech | Jan 2023 – Present, Istanbul, Turkey
Lead backend developer for Turkiye Is Bankasi's mobile channel (IsCep) serving 200M+ daily transactions. - Designed and developed core banking APIs enabling customer onboarding and product distribution across partner channels. - Built microservices in .NET Core and Java Spring, deployed on Kubernetes, optimized for performance and security. - Implemented MyLife project and Car Valuation services, integrating automation for bill/tax payments and asset management. - Migrated legacy monolithic services to scalable, containerized solutions. - Technologies: .NET Core, Kubernetes, Oracle, MS SQL, Docker, OpenShift.

Senior Software Engineer – Istanbul University-Cerrahpasa | Aug 2022 – Dec 2022
Developed .NET 6 applications using CQRS and Mediator patterns, SOAP/REST services, and automated workflows with Quartz Scheduler. - Enhanced architectural templates, added xUnit tests, and implemented multi-environment appsettings. - Databases: MS SQL, Oracle; ORM: Entity Framework, Dapper.

R&D; Manager – Council of Forensic Medicine | Apr 2019 – Jul 2022
Led development of Laboratory Management System integrating Claris Filemaker, ASP.NET Core web apps, and ClickOnce desktop tools. - Managed ISO/IEC 17025 compliance: authored 300+ documents, audits, risk analysis, validation, and training programs. - Created automation for evidence handling and forensic reporting systems.

Mobile Forensic Examiner – Council of Forensic Medicine | Apr 2017 – Apr 2019
Conducted digital forensic investigations on mobile devices and storage media using Cellebrite, X-Ways, Magnet Axiom, and other industry tools.

Software Developer – Maxinn Corporate Services | Sep 2012 – Sep 2014
Developed e-commerce web apps (ASP.NET MVC, MSSQL, RFID) and desktop POS systems (WPF, MSSQL) distributed via ClickOnce.

EDUCATION

MSc, Computer Science – Istanbul University (2019-2021) – Thesis: Malware Detection With Memory Analysis on Windows System Processes
BSc, Computer Engineering – Istanbul University (2014-2016)
BSc, Computer Teacher Education – Suleyman Demirel University (2008-2013)

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals
Kubernetes for Developers: Core Concepts - Pluralsight
Kubernetes for Developers: Deploying Your Code - Pluralsight
Fundamentals of Docker and Kubernetes for .NET 5 Developers - Pluralsight
iTEP Business-Plus English

LANGUAGES

English – Professional working proficiency
Turkish – Native or bilingual proficiency