

MUSTAFA DEMIRASLAN

Senior Software Engineer & Cloud Architect

Ankara, Turkey | +90 544 371 51 82 | dmrslnmstf@gmail.com | mustafademiraslan.web.app | linkedin.com/in/mstfdmrsln

PROFESSIONAL SUMMARY

Senior Software Engineer and Architect with 9+ years of experience across all end-to-end phases of software engineering. I specialize in transforming traditional monolithic structures into scalable, cloud-native microservices and developing high-security desktop applications (ElectronJS). With a technical leadership vision, I have successfully deployed over 50 projects by transforming complex business requirements into sustainable architectures with high speed and accuracy.

CORE COMPETENCIES AND TECHNOLOGIES

Architecture & Design: Cloud Architecture, Microservices, Event-Driven Architecture, Cross-Platform Desktop Dev.

Backend: Java (Spring Boot, Hibernate, Struts, Apache Cayenne), Node.js (Express), Python (Flask), C++, PostgreSQL.

Frontend: React, Next.js, TypeScript, Tailwind CSS, Vue.js, AngularJS, JavaScript.

Cloud & DevOps: Google Cloud Platform (GCP), AWS, Azure, Docker, Kubernetes, Cloud Run, CI/CD, Pub/Sub, Git.

PROFESSIONAL EXPERIENCE

Senior Software Engineer & Software Architect

June 2018 – Present

ILG Technologies | Cankaya, Ankara

- Designed and scaled the architecture of high-security web and desktop exam platforms as the technical lead managing the digital infrastructure for US Bar Associations.
- Spearheaded the migration of VM-based monolithic Java (Struts) systems to the Google Cloud environment, leading Docker and K8s/Cloud Run microservice transformation processes. Increased performance and efficiency by 90% and significantly reduced infrastructure costs by transitioning to Flask-based microservices.
- Designed and deployed a professional event-driven microservice architecture using GCP Pub/Sub and Event-Driven Architecture to enable real-time processing of exam results.
- Increased application performance by 80% and reduced maintenance costs by 30% by transforming legacy systems based on Apache Cayenne ORM, Struts, and Tiles into modern Spring Boot, Hibernate, and React-based architectures.
- Developed an ElectronJS-based exam client that eliminates cheating risks and provides OS-level lockdown. Developed and integrated custom native modules to block screen recording and virtual machine (VM) usage.

Software Engineer

July 2017 – May 2018

Ekinoks Software | Cankaya, Ankara

- Performed backend optimizations for mission-critical management systems for public institutions; developed web applications based on Java (Spring - Hibernate) and AngularJS.
- Designed and deployed reliable SOAP and RESTful APIs to ensure seamless and secure integration with government infrastructures.
- Established automated testing protocols using JMeter and Selenium to increase system stability and reliability.

Part-Time Cyber Security Analyst

March 2017 – July 2017

TURKCELL | Maltepe, Istanbul

- Monitored corporate networks in real-time using SIEM tools. Reported security breaches and anomalies detected in internal and customer systems, ensuring appropriate actions were taken.

Intern Software Engineer

September 2016 – January 2017

Aselsan | Yenimahalle, Ankara

- Developed comprehensive JUnit test scenarios to measure system reliability and fault tolerance in high-security defense industry projects.

EDUCATION AND LANGUAGES

BSc in Computer Engineering

2012 – 2017

Gazi University | Cankaya, Ankara

GPA: 3.30 / 4.00 | **Languages:** English (Good - Professional proficiency), Turkish (Native)