CAGDAS KURULTAY KALKAN

SOLUTION ARCHITECT ⚲ İSTANBUL, TURKEY 📞 +905445651885

⚬ DETAILS ⚬

İstanbul
Turkey
+905445651885
cagdaskurultaykalkan@gmail.com
Date of birth
1990

⚬ LINKS ⚬

LinkedIn

Personel Website

BioLink

Medium

⚬ SKILLS ⚬

AWS CloudFront, S3,
EC2, AutoScaling, ELB,
CloudFormation, DocumentDB,
MemoryDB, Lambda, ApiGateway,
SQS, EventBridge, Athena, Glue,
MediaLive, RDS, Cognito.

System Management. Ubuntu /
Linux / Centos

DevOps - Docker / Kubernetes /
Terraform / Serverless

NodeJS / PHP / Python / C# /
BrightScript

Django / .Net Core-EF / Express

React / Next.js / Astro.js / Vue.js /
Angular / AngularJS

Boostrap / Tailwind

Nginx / Load Balancing /
AutoScaling / Distributed Apps

ES6 / TypeScript / Webpack / Grunt
/ Gulp

MongoDB / DocumentDB /
DynamoDB

SQL Servers

Redis / Analytics Applications

Data Visualization / Chart.js /
HighChart / KendoUI

👤 PROFILE

Highly motivated IT professional with 14 years of experience in software development, solution production, and system support. Leveraging a strong foundation in computer technologies (20+ years), I excel at creating innovative solutions, tackling challenges with a problem-solving mindset, and staying current with the latest advancements in cloud technologies, data analytics, and SaaS development. My passion lies in driving process digitalization and developing user-centric applications that deliver measurable results.

💼 EMPLOYMENT HISTORY

Software Architect at Codeck, İstanbul
2019 — Present

TvEkstra - Adekstra (Targeted CTV Ad Platform & HBBTV Applications) - 4 years.

Led the development of Turkey's largest HBBTV advertising platform, reaching 11 million connected TVs daily across 70+ channels.

This innovative solution delivers targeted ads from leading global and Turkish brands, while providing real-time viewer impression data to TV channel managers. **Architected and coded the entire client and server-side components, leveraging cloud-based serverless technologies.** The platform generates over 70 million impressions monthly and boasts real-time analytics for up to 1 million concurrent viewers. This project has garnered numerous awards in Turkey and internationally. (For more details, visit tvekstra.com)

Livekstra - Serverside Ad Insertion Platform - 2 years

Developed and maintained Livekstra, a high-performance server-side ad insertion platform deployed on AWS Cloud.

Livekstra facilitates targeted advertising for various clients, seamlessly integrating with HLS (HTTP Live Streaming) workflows and enabling advanced features like:

- Personalized Streams: Dynamically insert targeted ads within HLS streams based on user data and viewing habits, maximizing ad relevance and user engagement.
- Segmented Group Streams: Deliver targeted advertising campaigns to specific audience segments within a larger viewer group, ensuring efficient ad spending and reaching the most relevant demographics.
- Key Achievements: Designed and implemented a scalable server-side infrastructure on AWS Cloud, enabling efficient ad insertion within HLS streams with personalized and segmented functionalities.
  Integrated AI-powered ad and brand detection technologies for precise ad targeting and brand safety.
- Supported SCTE-35 markers for seamless ad insertion within live and pre-recorded content.

Technical Skills:

- AWS Cloud Services
- HLS Streaming Protocols
- AI/Machine Learning , OCR, Speech To Text for Ad & Brand Detection
- SCTE-35 Marker Integration
- Real-time User Data Processing
- Audience Segmentation Techniques

Hamidiye Carboy Instant Delivery System - 2 years

Architected and developed a comprehensive end-to-end water delivery solution for Hamidiye AS, the largest water delivery company in Istanbul with 200,000 customers.

This solution encompassed the creation of mobile apps, dealer apps, client apps, and administrative dashboards.

- **Key Achievements:** Designed and implemented a scalable system architecture to manage 200,000+ customer accounts, order processing, delivery logistics, and real-time data management.
Developed user-friendly mobile apps for both customers and dealers, streamlining the ordering, delivery tracking, and payment processes.
Built comprehensive administrative panels for efficient order management, resource allocation, and customer relationship management (CRM).

Technical Skills:

- Mobile App Development
- API Development and Integration
- System Architecture Design
- Database Management
- User Interface/User Experience (UI/UX) Design
- On-premise Server Management

RPA Solutions

Developed and implemented Robotic Process Automation (RPA) solutions to automate repetitive tasks and improve operational efficiency.

Key Responsibilities:

- Designed and built RPA bots for tasks including authentication, web scraping, document downloading and scanning, report generation, and scheduling automated jobs.
- Identified and analyzed manual processes suitable for automation to streamline workflows and improve accuracy.
- Integrated RPA solutions with existing systems to ensure seamless data flow and automation functionality.

Workflow Management System for A Law Firm

Developed a comprehensive workflow management system for a 200-person law firm using .Net Core and Entity Framework (EF). This system streamlined legal case management, collaboration, and task automation.

- **Key Achievements:** Designed and implemented a scalable workflow engine to manage case lifecycles, assign tasks, track progress, and automate notifications.
Developed user-friendly interfaces for lawyers, paralegals, and administrative staff to access case information, collaborate on tasks, and track progress.
Utilized .Net Core and Entity Framework for efficient data management and system performance.
- Improved communication and collaboration within the firm
- Reduced case processing time by %450
- Reduced manual workload for PDF works. 1 hour to 1 second.
- Increased Total Income.
- Freed up staff for more complex tasks.

Technical Skills:

- .Net Core Development
- Entity Framework (EF)
- Workflow Management Principles
- User Interface/User Experience (UI/UX) Design (if applicable)
- Database Management

CTO at Orgino Medya
2017 — 2019

Fullstack Developer at Freelancer

2016 — 2017

Senior Frontend Developer at aMVG

2014 — 2016

Fullstack Developer at Dominox Studio

2011 — 2014

Frontend Developer at Enderun Grup

2011 — 2011

Corporate Websites, Real-time Insurance Bidding Systems.

Junior Developer and Webmaster at Freelancer

2004 — 2010

Paid Services with HTML, CSS, PHP, WordPress.

🎓 EDUCATION

Naval Architecture and Marine Engineering, Yildiz Technical University

Naval Architecture and Marine Engineering, Turkish Naval Academy, Istanbul

High School, Navy Turkish Naval High School, Istanbul

★ CERTIFICATES

AWS Certified Solutions Architect – Associate

AWS Certified Developer – Associate

AWS Certified Cloud Practitioner

📣 REFERENCES

References available upon request