

Ali Cakil

Software Engineer | AI, .NET, AWS, Angular

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Summary

Software engineer with 12 years of expertise in .NET and strong skills in AWS Cloud and Angular. Backend-oriented with strong frontend capabilities. Develops robust, serverless, decoupled, auto-scalable applications using modern architectures, with full CI/CD cycles and IaC automation. Has worked with international clients in Scrum environments.

Since November 2025 building Vitena, a multi-tenant SaaS for health professionals in production with real users, including its AI side: a provider-agnostic LLM layer in .NET, tool-calling agents, an eval harness and a public MCP server.

Skills

AI: LLM Integration, AI agents & tool calling, MCP (Model Context Protocol) servers, Prompt Engineering, RAG, LLM evals & tracing, OpenAI API, Claude Code (agentic development)

Backend: C#, .NET Core, .NET 8, .NET 10, ASP.NET Core, Minimal APIs, ASP.NET MVC, Entity Framework Core, Dependency Injection, RESTful API, CQRS, DDD, TDD, Microservices, Event-driven architecture, xUnit (mocks, fixtures)

Cloud and delivery: AWS Services, AWS Lambda, AWS API Gateway, SQS, IaC (AWS SAM, Terraform, AWS CDK), CI/CD, Git, GitHub (GitHub Actions, GitHub Enterprise), Azure DevOps, Docker, Kafka, some Azure services

Data: PostgreSQL, MS SQL Server, T-SQL, DynamoDB, Cosmos DB, ETL

Frontend: Angular, TypeScript, JavaScript

Experience

Founder & Software Engineer | Vitena (vitena.care)

Nov 2025 - present

Building Vitena, a multi-tenant CRM SaaS for health professionals, in production with real users (client records, appointments, client portal, public directory): .NET 10 on AWS Lambda, Angular with SSR, Capacitor Android app, PostgreSQL with one schema per tenant, AWS CDK and CodePipeline, UI in 7 languages.

- Designed a provider-agnostic LLM layer in .NET: one completion interface, one adapter per provider, config-driven model and cost policy per task type, per-tenant credit metering and a usage ledger with the real cost of every call.
- Built a tool-calling agent loop and three chat surfaces on top of it, in production: an in-app support agent with read-only account tools, a public pre-sales assistant, and an admin agent that answers platform questions through schema-aware read-only SQL (read-only transaction, statement timeout, row cap).
- Knowledge retrieval without embeddings: a document map in the system prompt plus a read_doc tool over 30 AI-facing documents, filtered by audience and profession; prompt ordered for caching (84-98% of input tokens served from cache).
- Built 20+ LLM task types: meal-plan generation grounded on a server-built candidate pool (nutrition values computed in code, not by the model), session-note drafts, vision-based document reading, voice-to-record capture, email and customer-feedback triage, moderation and compliance checks, image and video generation.
- LLM observability and quality: tracing at the adapter layer (prompt, response, tokens, cost, latency; content withheld for health data), a spend report by task type, and a black-box eval harness (Node.js) run whenever a prompt changes (support suite: 81/81 checks).
- Built and published a public read-only MCP server (stateless Streamable HTTP on the existing API Lambda, 3 tools), listed in the official MCP Registry, plus a per-user MCP endpoint for a client's own health history.
- Made the product readable to AI crawlers (SSR and prerendered HTML, JSON-LD, sitemap, llms.txt) with server-side AI-bot analytics.
- Built an autonomous multi-session coding-agent pipeline on Claude Code: a server-side state machine advances a work item's subtasks and a local Node.js bridge (SQS long polling) opens one headless session per step; one upfront plan approval, a fixed stop list, timed waits and permission-gated production deploys.
- Designed a general-purpose browser agent protocol (Claude in Chrome operating the user's own logged-in browser by reading the screen, no per-site code): approval before any irreversible step, progress and final screenshot logged on the task record.

.NET backend dev | eCommerce Platform

Nov 2024 - Nov 2025 | Madrid, Malaga, hybrid

- Contributed to a microservices-based e-commerce app using Azure Cosmos DB, working with AWS Cloud; appliedDDD, MediatR, CQRS, and factory patterns.
- Ensured code quality with xUnit, fixtures, in-memory integration tests, and optimized mutation scores; used Sonar for code quality and Stryker.NET.

Senior .NET & AWS Developer | Jabil Inc.

June 2022 - Oct 2024 | USA, remote

- Developed web applications for Jabil in a Scrum team: implemented features, unit tests, refactoring, code review.
- Applied best practices on a complex project running on AWS Cloud using API Gateway, EventBridge, Step Functions and Lambda, containers on Fargate, SQS, SNS, RDS, DynamoDB, S3, CloudFront, SES and Route53.
- Automated deployment steps using AWS SAM, CloudFormation and Azure pipelines; transformed complex data through ETL (AWS Glue ETL, Athena) for actionable business intelligence.

Freelancer | social events web application

Jan 2022 - Nov 2024 | Turkiye, remote

- Developed a social events listing app that helps people discover events and purchase tickets; integrated Stripe as the payment service for purchases.
- Built it as a serverless web app, deployed using AWS SAM and automated with AWS CodePipeline; the architecture relies on AWS Lambda, Step Functions, PostgreSQL, .NET Core, EF, Node.js, AWS Cognito, and Angular.
- Applied LLM-based content parsing to improve event data, integrated Google Maps API for location-based event search, and delivered QR code-based digital ticketing for efficient event check-ins.

Full Stack Developer | Genesis AS

April 2015 - May 2022 | Turkiye, on-site

- Developed custom WMS (Warehouse Management System) applications for the logistics sector, catering to storage and production lines; created both Windows-based and web-based ASP.NET applications.
- Optimized shipment operations using custom algorithms for route planning and truck loading, resulting in significant cost savings and increased profit.
- Worked on all SDLC stages including pre-sales, business case elaboration, onsite maintenance.

Achievements

- Overall 100k+ users actively using apps I contributed to; 3k+ users actively using apps I developed
- 7 times faster db queries on production after optimization
- Efficiency of a logistic warehouse performance increased by 70%

Certifications

- AWS Certified Developer Associate (2024)
- AWS Certified Cloud Practitioner (2023)

Education

Bachelor's Degree in Electronics Engineering | Sakarya University

2013 | Turkiye

Languages

English (fluent, C1), Turkish (native), Spanish (starter)

Additional Information

Active work permit in Spain. Living in Madrid, Spain. Citizen of Turkiye. Open to relocate. Prefers remote/hybrid work.