Ferit M Akaybicen

Engineering Manager | VR/AR | Platform Architecture

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Remote | CET Time Zone

Languages: English, Turkish, Albanian; basic French & Japanese

Professional Summary

Senior full-stack engineer with 6+ years of experience shipping production products in fast-moving startup environments. Recent work includes building a Node.js/React case-management platform with integrated AI agents, high-traffic AI-powered translation sites, and GPU infrastructure for AI workloads. Comfortable owning features end-to-end, from data modeling and API design to frontend UX and production monitoring. Strong in TypeScript/JavaScript, Node.js, React, SQL databases, AWS, and LLM integration (summarization, insight generation). Co-founder/lead engineer; hands-on, pragmatic, and biased toward shipping.

Core Skills

Languages & Frameworks: TypeScript, JavaScript, Node.js, React.js, Python, C++, PHP, Java, PostgreSQL, MySQL, ChromaDB
Web & Backend: RESTful API design, JSON, OAuth/SSL, Authentication & RBAC, background jobs, Modular Architecture Design
AI / LLM Integration: Prompt engineering, Agent Workflows, Embeddings, LLM-based summarization & insight extraction
Cloud: AWS, Google Cloud, Docker, GitHub Actions CI/CD, Monitoring, logging, basic observability best practices
Product & Process: Startup environments, MVP scoping, rapid iteration, Agile/Scrum, code reviews, technical documentation
Unreal Engine & VR/XR: Unreal Engine 5.x, C++ & Blueprints, Gameplay Framework, UMG, VR/XR on PC and Meta Quest

Experience

Tunc Law Firm CMS — Senior Full-Stack Engineer (Contract)

Jun 2025 – Present | Remote
- Designed and implemented a full-stack web platform for managing clients, cases, tasks, and employees; actively used by ~40 staff to manage 800+ active cases.
- Built Node.js backend services and React.js frontend with component-based UI, form workflows, and role-based access control.
- Implemented REST APIs for case, document, and task management; integrated with existing firm systems and authentication.
- Integrated an AI assistant to draft emails, summarize case notes, and surface relevant information from client data, reducing repetitive work for paralegals and attorneys.
- Added basic error handling, input validation, and logging to ensure reliability in a legal/enterprise context; wrote documentation for onboarding new users and developers.

Metacampus Tech LTD (formerly Codecon) — Co-Founder & Engineering Manager

Jun 2019 – Present | Remote
- Co-founded and led engineering for a real-time virtual campus product, delivering production clients on PC and Meta Quest; responsible for architecture, backend integration, and client features.
- Designed and implemented backend integrations (REST, OAuth) for authentication, user profiles, classrooms, and moderation, consuming external APIs securely from the client and server.
- Built reusable C++/Blueprint APIs and tools that accelerated feature delivery for a 10-person cross-functional team, acting as de-facto engineering manager and architect.
- Automated build and deployment pipelines using GitHub Actions, Docker, and Unreal build tools, enabling reproducible builds and faster iteration.
- Maintained performance and reliability in live multiplayer sessions (up to 50 concurrent full-body avatars), including networked voice/chat and presence—experience that transfers to building robust, observable production systems.

Selected AI / Web Products

Fareastnovels.com — Founder / Full-Stack & AI Engineer
- Built and operated an AI-powered translation platform serving 200K+ visitors/month, generating ongoing ad revenue.
- Implemented an automated LLM-based translation pipeline (nodejs + web stack)
- Integrated a database and caching strategy to handle frequent reads and incremental updates; optimized for fast page loads under high traffic.

Fragments of Time — Senior Unreal Engine Developer
- Prototyped narrative VR experience with Sequencer and data-driven events; AI-guided helper character and contextual prompts.
- Reduced GPU cost via material/overdraw optimizations; maintained stable frame time on Quest (Vulkan).

Education & Publications

- **M.S., Intelligent Robotics** (Machine Learning focus), Kennesaw State University — May 2025, GPA 3.9
- **B.S., Software Engineering**, Kennesaw State University — 2019
- Author: "**A Machine Learning Approach for Emergency Detection in Medical Scenarios Using Large Language Models**," accepted to ISICN 2025.