

SEYHUN AKYUREK

AI Delivery Lead / Solution Architect — Open to relocating from Ankara, Türkiye in Q4 2026

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SUMMARY

Seasoned technology leader with 20+ years of experience transforming complex challenges into elegant, scalable solutions across fintech, banking, and global marketplaces. Specializing in production AI systems for regulated industries. Proven track record of delivering high-stakes financial technology and leading world-class engineering teams across 13+ organizations.

EXPERIENCE

AI Delivery Lead / Solution Architect

Jan 2024 – Present · Independent Consultant — Ankara, Türkiye

- Built AI programs using Python, Azure OpenAI, and Anthropic that help customers to automate business processing.
- Cut monthly inference costs by implementing LLMops (LLM operations) monitoring — model drift detection, token usage tracking, and cost allocation dashboards
- Stopped fraudulent transactions in real time with a scoring system that combines AI with traditional machine learning, reducing false alarms for the bank
- Lowered compliance team research time by building a RAG (retrieval-augmented generation) pipeline over regulatory documents using Pinecone vector search
- Designed and deployed a multi-agent KYC screening system using LangChain, Azure OpenAI, and Anthropic LLM for clients
- Python, Azure OpenAI, Anthropic, LangChain, RAG, Pinecone, Multi-Agent Orchestration, LLMops

Team Leader, Applications

Jan 2022 – Dec 2024 · Commercial Bank of Dubai — Dubai, UAE

- Managed the teams that build and run the bank's mobile app and all personal banking group applications including direct customer onboarding, personal loan, and credit card application systems.
- Translated regulatory requirements into technical roadmaps for business, compliance, and IT stakeholders
- Maintained 100% on-time delivery across 12 major releases while leading a cross-functional team of 10 engineers, BAs, and testers
- Cut release cycle from 2 weeks to 2 days by implementing proper governance and CI/CD pipelines
- Improved deployment frequency from bi-weekly to daily by migrating from a legacy monolith to a structured governance model
- Reduced security audit findings annually by driving PCI DSS compliance across application layers
- Kubernetes, Docker, CI/CD, PCI DSS, Microservices, iOS, Android, Swift

Engineering Manager

Jan 2020 – Dec 2022 · International Bank of Azerbaijan — Baku, Azerbaijan

- Managed the engineers who run the bank's systems — modernizing how the bank handles accounts, transactions, and customer verification.
- Secured approval for mobile architecture modernization through executive-level business case presentations
- Completed a full digital overhaul of the mobile banking platform in 18 months, managing an 8-engineer team plus 4 outsource staff
- Modernized payment processing by architecting a Swift-based mobile app, from beginning to end handling 500K+ monthly transactions
- Cut manual compliance review time by deploying automated release workflows
- Established engineering standards: code review guidelines, 90%+ automated test coverage, and structured incident response
- Swift, iOS, Mobile Architecture, CI/CD, Test Automation, Incident Response, KYC/AML

Senior Software Engineer

Jan 2015 – Dec 2019 · ING Bank / eBay — Istanbul, Türkiye

- Built and maintained the mobile app customers use to move money, log in, and register their accounts.
- Shipped high-throughput payment processing and e-commerce features in the mobile app (Swift), covering money transfers, login, and registration
- Reduced fraud false positives while accelerating screening by designing automated fraud detection pipelines
- Mentored junior engineers and led technical design reviews
- Swift, Python, REST APIs, Microservices, Fraud Detection, Payment Processing

TECHNICAL SKILLS

AI & Machine Learning

- LangChain & Langflow
- Multi-Agent Orchestration
- RAG Pipeline Design
- LLMOps & Model Evaluation
- Azure OpenAI & AI Foundry
- Prompt Engineering

Engineering

- Python
- Production Deployment

Cloud & DevOps

- Microservices Architecture

Leadership

- Team Leadership
- Fintech & Banking Domain

- Regulatory Compliance
- Stakeholder Communication
- Cost Optimization

EDUCATION

B.Sc. Electronics and Communication Engineering

Graduated 2005 · Kirikkale University — Ankara, Türkiye · GPA: 78/100

CERTIFICATIONS & BADGES

Appian

- Appian Essentials

IBM

- Enterprise AI Business Solutions
- AI Efficiencies and Governance
- Human-AI Collaborative Planning
- Python for Data Science
- AI Fundamentals: Foundations for Understanding AI
- AI Fundamentals with IBM

Anthropic

- AI Fluency Framework & Foundations
- Building with the Claude API
- Claude Code in Action

View all on Credly, and in my website

LANGUAGES

- English — C2 Proficiency (verbal, writing, speaking)
- German — B1 Intermediate
- Turkish — Native

OPEN SOURCE

View all on GitHub — github.com/seyhunak

CONTACT

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