AI-FORWARD ENGINEERING EXECUTIVE

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I build AI-forward engineering organizations — from platform architecture to the teams that run them.

Currently leading technology end-to-end at Digitopia, an agentic AI transformation partner working with 300+ enterprises across 40+ countries — architecture, platform, security, AI, and delivery.

What's set my career apart isn't just technical depth — it's the ability to sit in the room where a business problem is being defined and turn it into both a product idea and an architecture decision. Deep enough to build it myself, commercial enough to know why it's worth building: that combination is what I bring to every team I lead.

SELECTED RESULTS

9.6×

Output per engineer, per day

`Day one (before agents) → 4.8× (2026 average) → 9.6× (last quarter) · -68% cost per request, -65% context per request`

Ten agents run delivery — one product owner dispatching nine repository-scoped developers that code, lint, scan and test — with a named person approving every gate, on an in-house harness where agents are defined as data, so a new one ships without a release. Same three engineers throughout; changes reach production in nine days instead of thirty-four.

50+

Engineers led and mentored

`1 → 11 engineering org built, 21 cross-functional, 10+ nationalities`

Across five companies, from a first five-person squad to an engineering organization built from a single engineer — and the structure people work inside as much as the headcount: an SDLC culture introduced across 23 repositories at one company, ad-hoc request handling replaced with a defined process at another.

50%+

Infrastructure cost removed

A monolith rebuilt as cloud-native microservices on AWS — half the infrastructure bill removed while scalability and regional deployment improved, rather than traded away for the saving. The same ground-up AWS work stood up the DevOps environment for a first international program elsewhere: the cost result came out of architecture decisions, not a procurement negotiation.

80–99%

Fewer production issues

`+40–50% delivery capacity, same headcount, 2 defects closed after a year unfixed`

On a bank's core Corporate Loans system and an insurer's core platform, both carrying production load for seven internal departments and their agencies. The gain came from replacing ad-hoc request handling with a defined process — the same change that lifted delivery capacity without adding a single engineer.

Millions

of daily transactions handled

`1M+ per day, by design, 7 departments and their agencies`

High-volume systems architected end to end: an e-invoice platform whose database was designed for more than a million transactions a day, years before "cloud-scale" was a common expectation, and an insurer's core carrying millions a day in production. Earlier still, a three-way real-time sync between an ERP, a B2B platform and a storefront — a country first at the time.

$4M

Transformation program led

`162 services aggregated, 40+ KPIs, 19 engineers, two sub-projects`

A PEGA rebuild of a bank's Corporate Banking platform, run across two sub-projects after being promoted into it from leading the five-person team on the bank's Corporate Loans core — so the decision system at its center was architected by someone who already knew what the existing platform did and where it failed.

SOC 2

Type II program led

`100% security policies approved, 0 critical or high findings open`

Security controls, governance, policy frameworks, risk management and audit readiness owned end to end, on a platform handling enterprise customer data. An independent penetration test closed with every high and medium finding remediated, and disaster recovery is rehearsed to a verified full-platform rebuild rather than written down and filed.

₺5M

AI R&D program secured

`€2M EIC initiative in progress, 2 EU research projects delivered`

TÜBİTAK-funded and still led today. Not a first pass at public research funding either — two EU framework projects, PaaSPort and IMAGINE Future Factories, were delivered years earlier, including a semantic search engine taken solo from an MSc thesis to a production system.

WHERE I DO MY BEST WORK

Where the technology decision is a business decision

Where someone has to lead across the P&L and the architecture, translating in both directions — not relaying requirements, but shaping what gets built.

Where the architecture has become the ceiling

When what got the company this far cannot take it further: the business runs fine, but every new customer costs more than the last — and the handful of engineers who built it have to become an organization.

Enterprises that need to move like a startup

Large institutions where the constraint is not budget or talent but pace — modernizing core systems, replacing ad-hoc delivery with structure that compounds, and getting the organization shipping again.

Startups carrying enterprise expectations

Small teams selling into banks, insurers and global enterprises — moving at startup pace while clearing procurement, security review and audit like an incumbent. The rigor came from working inside those institutions. The speed came from building outside them.

EXPERIENCE

Digitopia

Head of Engineering

`Sept 2022 — present`

Lead engineering, architecture, cloud infrastructure, security, AI initiatives, product delivery and R&D for an agentic AI transformation platform — the measurement layer and enterprise agent architecture behind the company's work with global enterprises.

Scaled the engineering organization from 1 to 11 engineers while supporting cross-functional teams of up to 21 people, and led the transformation of a monolithic platform into cloud-native microservices on AWS — cutting infrastructure cost by 50% while improving scalability and regional deployment.

Direct AI strategy, recommendation engine evolution, knowledge graph initiatives and AI-assisted development practices. Currently leading SOC 2 Type II certification across security controls, governance, policy and risk, and a ₺5M TÜBİTAK-funded AI R&D program, with a €2M EIC initiative in progress.

Enrich

Director, Head of Engineering

`Mar 2022 — Sept 2022`

Led engineering and DevOps across SaaS, mobile, web and metaverse products, managing both internal and outsourced teams. Reorganized 23 repositories and introduced an SDLC culture to bring consistency to delivery.

Designed and delivered Phase 1 of a metaverse project end-to-end (a team of 18, mostly outsourced) and led system design for Phase 2, alongside architecture for a second metaverse platform and a financial application.

DefineX

Lead of Development

Oct 2019 — Mar 2022

DefineX formed from the team behind Accenture Turkey's technology consulting practice — same people, same client relationships, new company. I carried forward from Accenture in this role, managing a full delivery team and owning technical client relationships for banking transformation programs, including closing out corporate loan decision tools and the IFRS 9 financial-analysis system I'd started building at Accenture.

Led the company's first international project, standing up its AWS DevOps environment from scratch.

Also joined a small pod of senior engineers — no hierarchy, everyone owned their own piece — to build one of the first open banking MVPs in Turkey, ahead of the government's regulatory framework. Being early meant defining the product as much as building it.

OBSS

Software Development Senior Manager

Sept 2018 — Oct 2019

Led the team maintaining a major insurer's core system — millions of daily transactions, seven internal departments, third-party agencies in the mix. Replaced informal, ad-hoc client requests with a structured process, cutting production issues by 80% and lifting delivery capacity by 40% with the same headcount.

Accenture

Software Dev. Team Lead → Application Dev. Associate Manager

Mar 2015 — Sept 2018

Started by leading a 5-person team maintaining a bank's core Corporate Loans system, cutting production issues by 99% and resolving two issues that had sat unfixed for over a year — including deep work on the bank's IFRS 9 financial analysis and reporting system.

Promoted to lead a $4M PEGA transformation of the bank's Corporate Banking platform — 9 developers directly, 19 across two sub-projects — architecting a decision system spanning 40+ KPIs and 162 services.

LOGO Elektronik

Intern → Lead Developer

Jun 2008 — Mar 2015

Where it started: joined as an intern, selected from a pool of 20 candidates. Was later promoted to lead developer, and architected LOGO's e-invoice system — a database built to handle over a million transactions a day, years before "cloud-scale" was a common expectation.

Also solo-built LOGO's contribution to EU-funded research projects (PaaSPort, IMAGINE Future Factories): a semantic search engine, developed end-to-end on my own — taking an analyst's MSc thesis on semantic keyword matching with a self-feedback loop and turning it into a working, production system, years before "AI" became a buzzword; among engineers, it was already a serious, sophisticated subject.

Separately, co-led Diyalogo.com, our B2B platform, building a three-way real-time sync across our ERP, the B2B platform and our B2C storefront, integrated with Alibaba.com — a country-first, and by our understanding at the time, a world-first.

EDUCATION

MSc — Engineering and Technology Management
Boğaziçi University, İstanbul · 2012 — 2014

BSc — Computer Engineering
Kocaeli University, Kocaeli · 2005 — 2009

LANGUAGES

Turkish
Native

English
Fluent