

# İSMAİL ÇELİK

## Full-Stack, Mobile & AI Systems Engineer

Ankara, Türkiye

ismailceliktr00@gmail.com

<https://ismailcelik-tr.github.io/>

<https://linkedin.com/in/ismailcelik>

<https://github.com/ismailcelik-tr>

### PROFILE

Full-stack and mobile developer with experience across React Native, React, Node.js, Spring Boot, Java, cloud infrastructure and AI/RAG systems. Builds production-minded mobile, web and backend systems with clean architecture, automation and operational reliability.

### CORE SKILLS

- Frontend & Mobile: React, React Native, Flutter, TypeScript, JavaScript, HTML5, CSS3
- Backend & APIs: Node.js, Express.js, Spring Boot, Java, REST APIs, WebSocket / realtime systems
- Data & AI: MongoDB, PostgreSQL, MySQL, MSSQL, ChromaDB, Qdrant, Gemini API, RAG, LLM workflows
- Cloud & DevOps: AWS, Google Cloud, Docker, Kubernetes, GitHub Actions, CI/CD automation, Linux

### EXPERIENCE

#### Computer Engineer - Netelsan Elektrik Elektronik

Dec 2025 - Present | Ankara | R&D

- Developing React Native mobile applications and Node.js server-side components for burglar alarm systems.
- Built PCB anomaly detection workflows with Python, OpenCV and TensorFlow to reduce manual production checks.
- Developed automatic versioning and distribution workflows to reduce production-line installation errors.
- Building remote monitoring software with React and JavaScript; managing alarm data and control-center access.

#### Mobile Application Developer - Freelancer

Jan 2023 - Nov 2025 | Ankara

- Delivered user-focused mobile applications across platforms using modern UI, feedback-driven iteration and production-quality practices.
- Worked with clients on mobile architecture, usability, delivery planning and continuous improvement.

#### Mobile Application Developer - Netelsan Elektrik Elektronik

Mar 2021 - Jan 2023 | Ankara | R&D

- Developed React Native mobile apps and Node.js services for Netelsan alarm products published on app stores.
- Built React-based remote monitoring tools; supported MongoDB operations, Linux/Windows servers, networks and ERP integrations.

#### Full-Stack / Mobile / Systems Roles

2013 - 2021 | Freelance, Bitcraft, Alfa E-Ticaret, Pearl Sprout, Turkish Naval Forces

- Built web and mobile apps with React, Flutter, Spring Boot, Java, .NET and C#; delivered vehicle tracking and enterprise workflows.
- Managed Windows/Linux servers, firewalls, Active Directory, network devices, e-commerce systems and secure file-sharing platforms.

## SELECTED PROJECTS

---

### Gemini RAG Knowledge Assistant

Production-oriented RAG assistant built with Gemini API, FastAPI, vector search and Google Cloud-ready architecture.

Gemini, FastAPI, RAG, Vector Search, Google Cloud

[Link](#)

### Factory RAG Assistant

Factory knowledge assistant concept for turning operational documents into searchable AI workflows.

RAG, AI Agents, Python, Gemma 4, Qdrant

[Link](#)

### Netelsan Cloud

Mobile cloud application for Netelsan users, published on iOS and Android.

React Native, Node.js, PostgreSQL, Realtime

[Link](#)

### Netelsan Burglar Alarm System

Production mobile alarm system for monitoring and managing burglar alarm workflows.

React Native, Node.js, MongoDB, Realtime

[Link](#)

### PCB Anomaly Detection System

Computer vision pipeline to detect PCB production defects and reduce manual checks.

Python, OpenCV, TensorFlow, Manufacturing AI

### Automatic Versioning & Distribution

Internal release automation reducing installation mistakes and improving production-line software access.

CI/CD, GitHub Actions, Automation

## EDUCATION

---

- Istanbul University - Management Information Systems, Bachelor's Degree, 2024 - Ongoing
- Anadolu University - Business Administration, Bachelor's Degree, 2022 - 2025, GPA 3.75/4
- Karadeniz Technical University - Computer Engineering, Bachelor's Degree, 2008 - 2013

## CERTIFICATIONS & LEARNING

---

- AWS Cloud Quest: Cloud Practitioner - AWS, 2026
- Building with the Claude API; Model Context Protocol; Claude Code 101 - Anthropic, 2026
- Introduction to Generative AI; Gen AI Apps; Gen AI Agents - Google, 2026
- Career Essentials in Generative AI - Microsoft & LinkedIn, 2026
- Python 101 for Data Science - IBM, 2026

## LANGUAGES

---

Turkish: Advanced | English: Advanced | French: Basic