Salih Karakuş



Software Engineer | Full-Stack Developer

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SUMMARY

Computer Engineering graduate with hands-on experience across all software layers, including backend APIs, cloud/ERP integrations, and cross-platform mobile development. Deeply interested in AI; actively contributes to the company's on-premise LLM work and has gained experience in computer vision (YOLOv8) projects. Aims to deepen his career as an engineer who integrates AI into end-to-end systems (mobile, backend, on-premise LLM, Computer Vision).

EDUCATION

Düzce University — Bachelor's Degree in Computer Engineering *Sep 2022 – Jun 2026*

- GPA: 3.32
- Relevant Coursework: Mobile Programming, Software Engineering, Object-Oriented Programming, Data Structures, Database Design

EXPERIENCE

Software Engineer Intern (Long-Term) — Bilsoft Yazılım *Feb 2026 – Present*

Düzce, Türkiye

- Designed and built an end-to-end technical service platform: an ASP.NET Core Web API + MySQL backend integrated with Bilsoft's ERP cloud via JWT, and a Flutter/Riverpod client.
- Implemented real-time customer, stock, and invoice data sync, QR-based customer tracking, PDF reporting, and an optional Gemini AI assistant.
- Continue to work actively with the AI team on developing, testing, debugging, and validating the in-house LLM on on-premise servers.
- Continue to integrate this in-house AI system end-to-end into the technical service mobile app.
- Validated the release through functional testing and prepared it for deployment to the App Store and Google Play.

Mobile Developer Intern — Bilsoft Yazılım *Aug 2025 – Sep 2025*

Düzce, Türkiye

- Built Android applications using Kotlin and Jetpack Compose, establishing a maintainable and modular codebase through MVVM architecture.
- Optimized data persistence and asynchronous operations using Room, Hilt, and Coroutines, cutting data fetch times by 30% and keeping the app smooth.

Android Developer Trainee (Bootcamp) — DenizBank *Jul 2025 – Aug 2025*

Istanbul, Türkiye

- Completed DenizBank's Digital Banking Faculty Bootcamp, receiving training in mobile technologies and digital banking.
- Worked in a team on the Android side of a finance-themed smartwatch app in Kotlin, applying Clean Code and Agile practices.

Software Engineering Intern — XON (Bilişim Vadisi) *Jun 2024 – Aug 2024*

Gebze, Kocaeli

- Built web-based modules and secure user authentication systems using PHP, JavaScript, and MySQL.
- Evaluated AI/LLM integrations and ran performance tests for image generation services and chatbots; tested puq.ai in its early development.

PROJECTS

LuLuna: Digital Support Companion – AI-Powered Mobile Companion App

github.com/salihkkus/luluna-mobile-app

- Flutter app supporting social communication for children on the autism spectrum; implemented YOLOv8 image processing (Computer Vision) and Edge AI, plus Gemini Vision, voice chat, Supabase backend, and an AI-reporting parent dashboard.
- Top 15 of 300 at Düzce University's entrepreneurship marathon; accepted into a startup incubator; ongoing mentoring and investor talks.

Resumise – AI-Powered Career Platform

github.com/salihkkus/resumise-app

- As owner of the platform's AI engine and NLP research layer, built a system using LLM-based semantic matching and BERT that achieves 90%+ ATS compatibility accuracy. Selected for exhibition at the Düzce Bolu R&D Fair (Arge Pazarı).

Sinerush – Cinema & Media Platform

sinerush.com

- Designed and deployed an end-to-end cinema/media platform (.NET/C#, SQL) where everything, including film analysis and recommendations, runs on AI; developed the AI engine. Owned architecture, deployment, and optimization as an individual project.

Also built: Mobile Receipt OCR — Flutter + Google ML Kit image-processing pipeline (93% accuracy); Mobile Reminder App — native Android task manager (Kotlin, Room, Firebase, Push Notifications).

TECHNICAL SKILLS

AI & Data: Computer Vision, On-Premise LLM Integration, LLMs, BERT / NLP, Edge AI, Google Gemini API, Google ML Kit, Python
Mobile: Flutter, Dart, Kotlin, Jetpack Compose, Riverpod, MVVM, Clean Architecture, Dio, Retrofit, Room, Hilt, Coroutines
Backend & Cloud: ASP.NET Core, C#/.NET, RESTful API, Firebase, Supabase, MySQL, MSSQL, SQLite
Testing & Tools: Unit/Widget/Integration Testing, CI/CD, GitHub Actions, Git, Docker, Postman, Agile/Scrum
Languages: Turkish (Native), English (B1+ / Intermediate)

REFERENCES

Durdu Baltacı — Business Analyst, Bilsoft Yazılım | durdu.baltaci@bilsoft.com
Abdullah Talha Kabakuş — Professor, Düzce University | talhakabakus@duzce.edu.tr