

Firat Kaya

SOFTWARE DEVELOPER

Bursa, Türkiye Tel: (+90) 552 442 00 21 Email: fratkayya@gmail.com GitHub: github.com/fratk21

LinkedIn: [linkedin.com/in/firat-kaya-101276202](https://www.linkedin.com/in/firat-kaya-101276202) Web: frtkaya.com Military Service: Completed

PROFESSIONAL SUMMARY

A passionate and results-driven Computer Engineering graduate who enjoys transforming complex technical problems into scalable, user-focused software solutions. My engineering career builds a strong bridge between enterprise-level architectures (core ERP backend optimization and complex database tool design) and fully independent mobile application development. Specializing in the Flutter & Dart ecosystem, I combine a clean-code, high-performance focus with the ability to build robust backend architectures and design intuitive UI/UX. In addition, I have hands-on experience in interface development with JavaScript, AI and machine learning based security solutions with Python, and game development with Flutter. With my entrepreneurial mindset and commitment to process optimization, I focus on delivering high-impact software that creates direct operational and commercial value.

TECHNICAL SKILLS

Programming Languages & Frameworks: Dart (Flutter), C#, Python, JavaScript, Node.js, C, SQL (PostgreSQL), OpenEdge Progress
AI & Security: Python (Machine Learning), Artificial Intelligence, Antivirus Detection
Technologies & Tools: Supabase, Firebase, Relational Database Design, Git, UI/UX Design (Figma), Docker, Plesk

WORK EXPERIENCE

Mood-Gama Metal Mimarlık - IT Department Specialist Intern Jan 2025 – Jun 2025 | Bursa, Türkiye

- Managed corporate IT infrastructure; resolved network and hardware issues to ensure uninterrupted operations.
- Coordinated cross-department technical support processes, optimizing operational technology efficiency.

TNC Group - SCA Social - Media Marketing Intern Mar 2024 – May 2024 | Bursa, Türkiye

- Completed internship training in Basic Management and Organization.
- Completed internship training in Basic Advertising and Marketing.
- Completed internship training in Basic Project Management.
- Completed internship training in Basic New Media and Digital Transformation.

Certificate and reference letter available upon request.

Freelance Software Developer - Mobile & Web Applications 2023 – 2025

- Designed, developed and published custom cross-platform mobile solutions using Flutter for independent clients.
- Managed end-to-end production lifecycles including requirements analysis, responsive UI prototyping and API integrations.

Selective Software - Software Development Engineer Mar 2021 – Sep 2023 | Bursa, Türkiye

- Debugged and optimized core backend processes of an enterprise ERP system developed with OpenEdge Progress.
- Designed dynamic user interfaces integrated directly into the ERP core and managed relational database operations.
- Built custom ERP-integrated mobile applications with Flutter, streamlining internal workflows.

Armiya Technology - Software Developer Intern Jul 2022 – Sep 2022 | Konya, Türkiye

- Developed a C# desktop analysis tool that maps SQL database architectures, visualizes table relations and exports structured reports to Excel and HTML.
- Actively contributed to the development, testing and improvement of the company's official mobile app with Flutter.

Snz Furniture - Web & Social Media Specialist Sep 2020 – Mar 2021 | Bursa, Türkiye

- Designed, developed and maintained the corporate website end-to-end, ensuring responsive layouts and seamless performance.
- Executed digital media and branding strategies, maximizing corporate web presence and customer engagement channels.

PROJECTS

Formuldex Product Content Management System / Flutter & Dart

- Developed a production-ready mobile app focused on presenting and managing cosmetic product content.
- Implemented advanced product search, multi-stage content categorization and highly optimized local data structures.
- Designed a scalable client-side architecture capable of seamlessly handling large, data-dense product catalogs.

OtokuVerse / Flutter Full Stack

- Designed and developed a feature-rich, magazine-style manga and novel reading platform, independently managing both frontend and backend systems.
- Integrated secure user authentication, personalized saved libraries and a robust offline reading infrastructure with local file storage.

Status: Entire business model and IP rights successfully transferred for corporate-level scaling.

Selective Easy Recipe / Flutter & ERP Integration

- Designed an enterprise cost management application integrated directly with live ERP data cores for production analytics.
- Includes custom measurement logic in square meters (m²) and cubic meters (m³) as well as real-time, currency-integrated pricing algorithms to automate material costs.

Status: Actively used and live by corporate business clients.

Smokeless / Flutter & Dart

- Designed a personalized smoking cessation app that creates dynamic, user-specific reduction programs.
- Implemented precise local notification triggers, analytical progress tracking and a fully privacy-focused local architecture.

Database Table Analyzer / C# & SQL

- Built a developer utility tool that parses, evaluates and visualizes complex relational SQL database schemas.

- Automatically generates comprehensive data relationship documentation and structural reports in HTML and Excel formats.

Selective Support Application / Flutter & Web

- Developed a cross-platform customer support and ticketing app that lets customers log system errors and track request status.
- Streamlined real-time error tracking and corporate support ticket assignment workflows.

Kartzip Mobile App / Flutter Freelance

- Delivered the client-side architecture and responsive UI end-to-end as an independent freelance software project.
- Successfully delivered a sleek, production-ready frontend conforming to strict modern UI/UX specifications.

Caravan Lord / Flutter & Dart (Game)

- Developed a caravan management and trade themed strategy game cross-platform with Flutter.
- Applied game mechanics, state management and performance-oriented rendering architecture.

AI-Powered Antivirus / Python & Machine Learning

- Developed an antivirus program that detects malware using machine learning and artificial intelligence techniques in Python.
- Automated security analysis processes with ML-based detection models.

PUBLISHED APPS (GOOGLE PLAY)

- **DocAll-UDF Reader** — Universal Document Format (UDF) reader app.
- **Font & Image Converter** — Font and image conversion tool.
- **Formuldex** — Cosmetic product content management app.
- **HerbBloom** — Plant care and discovery app.
- **Phone a Peek: Dark Terminal** — Text-based game.
- **Muslim Pro Plus** — Quran and Hadith app.
- **Scripture Compare** — Quran and Bible comparison app.
- **Holy Bible** — Bible reading app.

Google Play Developer Page: play.google.com/store/apps/dev?id=8789695901549611178

EDUCATION

Necmettin Erbakan University - Bachelor's Degree in Computer Engineering GPA: 3.00 / 4.00	Konya, Türkiye 2025 Graduation
Akdeniz University - Associate Degree in Computer Programming GPA: 3.49 / 4.00	Antalya, Türkiye 2020 Graduation

COMMUNITIES & LEADERSHIP

- **Neu IT Community (Neu Bilişim Topluluğu)** – Board Member / Manager
- **IT Management Platform (BT Yönetim Platformu)** – Board Member / Manager