Mert Demirdöven

Final-year software engineering student and developer

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I build apps that run between a phone, a computer and small pieces of hardware: P2P file transfer in Rust, Android apps, browser extensions, web systems with Laravel and React, and ESP32-based IoT devices. Before I call something fast or light, I measure it. I build with Claude Code and write plugins and skills for it.

Experience

Software Development Intern, Mega Bilgisayar Tic. Ltd. Şti., Ankara, Türkiye — **July – August 2026**

- **On Air:** a sign at the door that lights up when the camera or microphone is on. Windows app (C#, .NET 10, WinRT Bluetooth), ESP32-C3 firmware (NimBLE, encrypted and bonded BLE, power management) and a 3D-printed enclosure. Ships as one EXE that installs without admin rights. github.com/Guidin9/onair-ble
- **Server room heatmap:** rack monitoring with an ESP32-S3 and ten temperature sensors; Node.js, Express and SQLite backend deployed to Azure with Docker, a 3D IDW heatmap in Three.js and an M5Stack Core2 display. github.com/Guidin9/server-room-heatmap

Projects

Warpshot
Rust, iroh, Tauri, Kotlin, Cloudflare Workers
End-to-end encrypted P2P transfer of screenshots, text and files between a phone and a PC. Post-quantum hybrid handshake, account-free QR pairing, $0 server. The Windows agent idles at 0.8 MB of RAM (measured). github.com/Guidin9/warpshot

EpiRate
JavaScript, Chrome extension (MV3)
Shows the IMDb rating of the current episode inside the Prime Video player. Spoiler-free season chart, matching from localized titles, interface in 12 languages. github.com/Guidin9/epirate

Live Meter
Kotlin, Jetpack Compose
Live charging current and network speed in Android's status bar; the release build uses half the CPU of the debug build. github.com/Guidin9/sarj-metre

RestoranManage
Laravel 13, React 19, MySQL, Docker, Azure
QR menu and table billing: guest, kitchen, waiter, cashier and admin screens, a three-stage order flow and a daily revenue summary. Deployed on Azure with Docker and HTTPS. github.com/Guidin9/RestoranManage

Claude Code tools
TypeScript, Markdown
claude-usage-footer (a plugin that shows the remaining usage limit) and liquid-glass-design (a skill for Apple Liquid Glass interfaces). github.com/Guidin9

Education

B.Sc. Software Engineering (taught in English), Eastern Mediterranean University (EMU), Famagusta — **2021 – 2027 (expected)**

Final year. Graduation project: an AI-assisted real estate platform for North Cyprus (team project, in progress). Selected courses: Object-Oriented Programming (Java), Data Structures, Algorithm Analysis, Software Quality Assurance and Testing, Client-Server Programming.

Technical skills

Programming	Kotlin, Rust, C#, TypeScript, JavaScript, PHP, Python, Java, C++ (Arduino), SQL
Mobile and desktop	Android (Jetpack Compose), Flutter, .NET (WinForms, WinRT), Tauri
Web	React, Vite, Tailwind CSS, Laravel, Node.js, Express, Three.js
Infrastructure	Docker, Azure, Cloudflare Workers, Firebase, Caddy, Git, GitHub Actions
Hardware	ESP32 (S3, C3), Bluetooth LE, sensors, M5Stack, 3D printing
Tools	Claude Code, Figma, Android Studio, VS Code, JetBrains
Languages	Turkish (native), English (B2+, language of study)