

BATUHAN GÜMÜŞ

IT SUPPORT SPECIALIST | SOFTWARE ENGINEER

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SKILLS

- Operating systems:** Windows, macOS, Linux (Raspberry Pi OS, server administration over SSH)
- Hardware:** fault diagnosis and repair of phones, tablets and wearables; component replacement; soldering; PCB design (EasyEDA)
- Networking:** TCP/IP basics, Wi-Fi and router setup, MQTT, remote server access
- Servers & self-hosting:** Linux VPS management, NAS setup, Home Assistant
- Scripting & programming:** Python, SQL, Java, C#, C
- Tools:** Git, Fusion 360, 3D printing, ESP32 / embedded systems

LANGUAGES

- Turkish (native)
- English (advanced)

EDUCATION

- BSc in Software Engineering
Istanbul Atlas University
2022 – 2026

ABOUT ME

Software Engineering graduate with hands-on experience diagnosing and repairing hardware, from smartphones and tablets to custom-built electronics. Comfortable across Windows, macOS and Linux, and used to running my own servers and smart-home network. I bring a troubleshooter's habit of finding the root cause, plus scripting and software skills to automate routine IT work.

EXPERIENCE

DEVICE REPAIR TECHNICIAN

Freelance | Istanbul

- Diagnose and repair smartphones, tablets and wearables: screen, battery and back glass replacements, water damage diagnosis, touch IC troubleshooting.
- Refurbish used devices end to end, from fault finding to testing and resale.
- Design, build and sell my own electronics (Wi-Fi sensors, smart light controllers) online, handling customer questions directly.

SOFTWARE ENGINEER INTERN

Hitit | 07/2025-08/2025

- Developed RESTful APIs with Java and Spring Boot for internal applications.
- Fixed bugs in a microservice-based architecture within an Agile team.
- Designed and queried relational SQL databases to speed up data access.

WEB DEVELOPER

TZI Consulting | 10/2024-05/2025

- Designed and developed the company website from scratch.

SOFTWARE ENGINEER INTERN

Eterna Visio | 07/2024-08/2024

- Developed and improved multiple client websites, with a focus on performance.

PROJECTS

Self-Hosted Servers and Home Network

- Run a Linux VPS (personal projects, game server) managed over SSH.
- Building a portable Raspberry Pi 5 NAS with PhotoPrism for photo storage.
- Set up a smart-home network with Home Assistant, ESPHome and MQTT.

Smart Pill Tracker Device

- ESP32 medication reminder and logging device; designed its PCB (EasyEDA), 3D-printed enclosure (Fusion 360) and web UI.

github.com/bazuann/PillTrackerBox

Adaptive Matrix Headlight

- Camera-based headlight inspired by Audi Matrix LED: detects oncoming cars and dims only the matching segment of a 12×3W LED array.
- ESP32 drives a constant-current driver per LED with independent PWM; 5° lenses split the beam into separate road segments.

github.com/bazuann/MatrixHeadLight