

# Saltuk Buğra ÖZELGÜL

SOFTWARE ENGINEER

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## Personal Profile

**Software Engineer** specializing in **network development**, with experience in **network security, monitoring, and infrastructure**. Skilled in protocols like SNMP, CDP, and LLDP, along with NAC systems and firewall management. Also experienced in **backend and mobile development**, working with Django, FastAPI, PostgreSQL, Redis, and Celery for scalable backend systems, and React, Vue.js, SwiftUI, and Flutter for frontend and mobile applications. Familiar with cloud infrastructure, including AWS and Cloudflare Workers, as well as monitoring tools like Sentry and Prometheus.

Strong **problem-solving** and **communication skills**, with experience in both independent and team-based projects. Focused on delivering **secure, scalable, and efficient solutions** in networking and software development.

## Work Experience

### Rakort

Software Developer

Ankara, Turkey

Jan 2024 - Present

Developed/maintained **FastNAC** (Network Access Control), leveraging **SNMP, CDP, and LLDP** to monitor/secure networks. Implemented a **Captive Portal** login system with multiple verification methods and integrated firewalls (**Fortigate & PaloAlto**) to bolster security. Generating automated reports on device topology. Created network diagrams via **LLDP/CDP** protocol data. Optimized **SQL** queries, built scalable back-end services with **FastAPI**, and designed front-end components using **Vue.js**.

### OBSS

iOS Developer Intern

Ankara, Turkey

July 2023 - Aug 2023

Won 1st place in 3-week app development contest: Built iOS app using **Swift, UIKit, and CoreData**, following **MVC** architecture. Integrated **Alamofire** for API calls and **Kingfisher** for image handling. Designed UI via **Interface Builder**, delivering full functionality under tight deadlines through **Time Management**. Presented results to stakeholders using **Communication/Presentation** skills.

## Projects

### Moviotte

Mobile Application

July 2022 - February 2023

- Moviotte** is a mobile app for creating and sharing movie lists, rating films, and social engagement. Built with **Flutter**, backed by **Django, PostgreSQL**, and hosted on **AWS**. Utilizes **Redis** for caching, **Celery** for background tasks, and **WebSockets** for chat and mini-games.
- Live at: [www.moviotte.com](http://www.moviotte.com)

### WP Recap

Mobile Application

January 2024 - February 2024

- WP Recap** analyzes WhatsApp chat history and generates insights. Built with **Swift, Realm and SwiftUI**, using **Cloudflare Workers** for backend. Implements log analysis tools like **Sentry, Smartlook, and Google Analytics**.
- Ranked in the top #20 in App Store (Lifestyle) and achieved **1K daily users** with **50-100 active users** in the first week.
- Check it out on <https://apps.apple.com/tr/app/id6740404126>

## Education

### Gazi University

BSc in Computer Engineering

Ankara, Turkey

Sept 2019 - July 2024

- GPA: 3.78
- 3rd in the department

## Publications

### JOURNAL ARTICLES

Anomaly Detection on Servers Using Log Analysis

Mert Inan Saygılı, Saltuk Buğra Özelgöl, İlkay Samet Öztürk, Kevser Özdem Karaca, A. Orkun Gedik, M. Ali Akcayol

2024 8th International Artificial Intelligence and Data Processing Symposium (IDAP), 2024