# DANIEL BRETTSCHNEIDER

## SOFTWARE ENGINEER

## CONTACT

📞 052-5999326

✉️ Daniel.1481997@gmail.com

📍 Ramat Gan, Israel

🌐 GitHub

🌐 LinkedIn

## SKILLS

- Java Spring
- Android
- Flutter
- GO
- gRPC
- Flask / FastAPI ( Python )
- MySQL
- MongoDB
- Docker
- AWS Basics
- C# .NET

## LANGUAGES

- English (Fluent)
- German (Fluent)
- Arabic (Intermidate)

## PROFILE

Motivated software developer seeking a challenging position in software development to apply my skills in building scalable and efficient systems.

Backend developer specializing in cloud-based, high-performance systems. Experienced in real-time device integration, video stream processing, and generating 3D models using photogeometric software.

## WORK EXPERIENCE

### Oversight
Backend Developer
Jan 2024 - Present

- Designed and implemented IoT and real-time systems
- Utilized gRPC, WebSockets, and other communication protocols
- Built and maintained backend infrastructure to support high-performance, and scalable systems
- Ensured efficient and reliable communication between distributed system components by implementing optimized data flows, robust error handling, and protocol-level enhancements to reduce latency and improve system reliability.
- Implemented a complete CLI tool to automate and integrate 3D modeling workflows using Agisoft Metashape, enabling streamlined execution and batch processing of photogrammetry tasks.

### IDF Intelligence Corps
SIGINT Operator
Mar 2016 - Feb 2019

- DBMS Experience (MySQL) - Designed and populated specific tables and databases for collection, tracking and reporting of data
- Design and implementation of measures meant to improve the working efficiency in the department

## PROJECTS

### Karmen - Iron Swords project
A Flutter app platform that aggregates antisemitic hate crime videos, news feed, and tracking dashboard.

### Travel Assistant
Conversational AI travel assistant using LangChain, LangGraph, and Gemini to provide personalized trip and packing recommendations with real-time weather context.

### Super App - Full Stack Project
A full-stack application primarily focused on backend implementation using the Spring Boot framework.

## EDUCATION

### B.Sc. Software Engineering
"Afeka" College of Engineering, Tel Aviv
**GPA: 85**
2020 - 2024