

# Amit Ginzberg

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## PROFESSIONAL SUMMARY

Computer Science student with strong foundations in systems programming and backend development. Experienced in building scalable, networked applications using C++, Java, Node.js, and Python, with hands-on deployment of production-ready services. Former combat commander with proven leadership, ownership, and high-performance decision-making under extreme pressure.

## EDUCATION

### Tel-Hai College

*B.Sc. in Computer Science*

Upper Galilee, Israel

2024 – 2026

- Relevant Coursework: Algorithms, Data Structures, Operating Systems, Computer Networks, Databases, Object-Oriented Programming.

### Ariel University

*Computer Science Studies*

Ariel, Israel

2021 – 2022

- Focused on low-level programming, memory management, and software architecture design.

## TECHNICAL SKILLS

**Languages:** C/C++, Java, Python, JavaScript (Node.js)

**Backend & Web:** REST APIs, Flask, Node.js, HTML/CSS

**Systems & Concepts:** Multithreading, TCP/UDP Socket Programming, Concurrency, OOP, Algorithms, Data Structures

**Tools:** Git, Docker, Linux CLI, Render Deployment

## PROJECTS

### Multithreaded Chat System | Java, TCP/UDP Sockets

- Engineered a client-server architecture supporting 50+ concurrent users using TCP/UDP protocols.
- Implemented multithreading, synchronization, and concurrency control to ensure stable parallel communication.
- Designed modular server logic to efficiently manage active connections and message routing. GitHub

### Reporting & Automation Platform (Gadash) | Python, Flask, REST APIs

- Designed and deployed a backend reporting system serving 30+ active users with real-time operational tracking.
- Integrated RESTful APIs and Telegram bot automation to streamline manual workflows and notifications.
- Deployed production-ready service with structured routing, API endpoints, and persistent data handling. GitHub

### Music Streaming Web Platform | Node.js, JavaScript

- Built and deployed a full-stack web application with REST backend services and dynamic frontend rendering.
- Handled concurrent user requests and structured API routing for scalable interaction.
- Deployed live production environment on Render. GitHub

### Comprehensive Software Design Project | C++

- Developed a modular object-oriented system applying advanced design patterns and scalable architecture principles.
- Emphasized memory efficiency and structured abstraction in complex system logic implementation. GitHub

## WORK EXPERIENCE

### Security Guard

Wix

Herzliya, Israel

2025 – Present

- Operate within a high-security corporate technology environment requiring constant situational awareness and rapid response.
- Maintain operational reliability in a fast-paced, high-profile setting.

### Security Inspector

Israel Airports Authority

Ben Gurion Airport, Israel

2023

- Managed logistics and passenger flow for 500+ daily travelers while resolving real-time operational bottlenecks.
- Performed security evaluation and decision-making under strict regulatory standards.

## MILITARY SERVICE

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### Combat Soldier & Commander

Brigade 188, Armored Corps

#### *Israel Defense Forces*

- Led combat teams in high-risk operational environments, responsible for personnel readiness and mission execution.
- Demonstrated leadership, accountability, and rapid decision-making under extreme pressure.
- **Active Reservist – Operation Iron Swords:** Awarded Battalion-level distinction for performance and leadership.