EADAN PLOTNIZKY

Software Engineer and Cybersecurity Enthusiast

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WORKING EXPERIENCE

Software Engineer - OutboundIQ

May 2024 - Present | Ft. Lauderdale, FL

- Re-building the company's products in Typescript using modern frameworks like SvelteKit and ElysiaJS to enable future maintenance of the company's products.
- Actively coming up with new infrastructure suggestions that improve the overall workflow of the company.
- Manage and optimize Postgress database servers; successfully migrated from MySQL Server to Postgres by using a modern Drizzle ORM, keeping the TypeScript culture.

Junior .NET Developer - OutboundIQ

Dec 2023 - May 2024 | Ft. Lauderdale, FL

- Maintained and developed the flagship .NET API product and enhanced the front end of the company's LMS product, resulting in increased product performance.
- Managed and optimized MySQL database servers; successfully migrated from MS SQL Server to MySQL, reducing company costs and improving database efficiency.

Cybersecurity Research Assistant - FAU

May 2023 - Present | Boca Raton, FL

- Co-authoring academic papers on IoT security and vulnerabilities, set for an upcoming publication.
- Contributing to developing innovative security solutions for the Internet of Battlefield Things (IoBT).

Backend Developer / SRE Intern - SeeTree

Aug 2023 - Dec 2023 | Tel-Aviv, Israel (Remote)

- Improved client application efficiency by 60% by minimizing the amount of API calls to the GCP cloud.
- Enhanced Escalation Team's productivity by 30% by developing a GUI application that makes API calls to Apache Airflow easier and more efficient.

LEADERSHIP EXPERIENCE

VP Information Technology - FAU Global Business Association

Oct 2022 - May 2023

Instructor - GWC X NSBE Python Workshop

Sep 2023 - Dec 2023

PROJECTS

ENCrypto Chat - C++

- Led a team of 3 people to develop a secure communication program designed for two users to exchange messages on an encrypted server.
- The program offers a variety of encryption schemes, including DES, Triple DES, RSA, and El Gamal, which users can choose from based on their preferences and needs.

PUBLICATIONS

- *Coston, I., Plotnizky, E., & Nojoumian, M. "Comprehensive Survey on IoT Vulnerabilities and Countermeasures" - In Submission*

EDUCATION

BSc in Computer Science
- Minor in Cybersecurity
Florida Atlantic University
Boca Raton, FL
Graduation: May 2025 | GPA: 3.4

MSc in Artificial Inteligence
Florida Atlantic University
Boca Raton, FL
Graduation: Dec 2025

SKILLS

- **Programming Languages**: C++, C# (.NET), Python, TypeScript (SvelteKit, ElysiaJS, Bun), HTML, SQL
- **Databases**: MySQL, SQL Server, Postgres
- **Cloud Technologies**: AWS, Kubernetes, Docker, Apache Airflow, Jira, Git, REST APIs (flask, ElysiaJS), SOAP (.NET)
- **OS**: Windows, MacOS, Linux (Ubuntu, Kali)
- **Code Editors:** VS Code, Visual Studio, Vim.
- **Languages:** English, Hebrew

CERTIFICATIONS

- CompTIA Security+ (In-Progress)
- ISC2 CC
- MTA: Networking Fundamentals
- MOS (Word, Powerpoint, Excel)
- Autodesk Certified User (AutoCAD, Inventor)
- MITRE eCTF Design & Attack Phase Completion

RELEVANT COURSEWORK

- Data Structures & Algorithm Analysis
- Design and Analysis of Algorithms
- Computer Operating Systems
- Practical Aspects of Modern Cryptography
- Foundations of Cybersecurity
- Cloud Security
- Intro to Database Structures
- Formal Languages and Automata Theory
- Principals of Programming Languages