ELIAV YEHUDA

Senior Software Engineer

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📍 Relocating to Toronto

EXPERIENCE

Senior Software Engineer
Applied Materials

📅 2021 - Present 📍 Tel Aviv, Israel

- Designed and implemented robust microservices to support enterprise-scale systems.
- Integrated new technologies with the assistance of AI tools to enhance performance and scalability of high-demand services.
- Led development of backend components and ensured seamless integration with frontend.
- Collaborated with cross-functional teams to define, design, and deliver technical solutions.

Senior Software Engineer
Playtrex (Acquired by Tangelo Games)

📅 2019 - 2021 📍 Tel Aviv, Israel

- Developed full server-side architecture for a cross-platform mobile game that is stable, robust, and easily maintainable.
- Built and maintained scalable infrastructure, supporting increasing user growth.
- Optimized server performance and contributed to DAU growth through feature development.
- Responsible for deployment pipelines and server stability.

Senior Software Engineer
MRI Software

📅 2017 - 2019 📍 Toronto, Canada

- Implemented architectural transition from multi-tenancy to single-tenancy models.
- Enhanced APIs, UI, and backend systems of a SaaS-based BI and data platform.
- Developed performance-driven features including advanced sync modes and scripting tools.

Backend Developer
Autodesk

📅 2016 📍 Toronto, Canada

- Resolved high-priority security vulnerabilities (SQLi, XSS, CSRF).
- Improved backend reliability and database performance.
- Integrated tools for API documentation and prototyping.

PROJECTS

WatCola Simulation - Concurrency

Designed and developed a concurrent μC++ simulation for a distributed vending system.

Real-Time Executive - Operating Systems

Co-designed and implemented a real-time operating system for the Keil MCB1700 development board using C.

Straights Card Game - User Interface

Developed a graphical card game interface using C++, gtkmm, and X11, with event-driven interactions and game logic.

EDUCATION

Bachelor of Software Engineering (BSE)
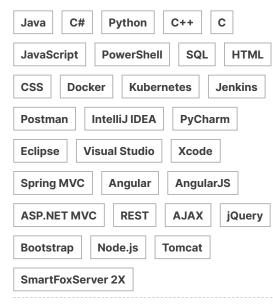**University of Waterloo**

📅 2011 - 2017 📍 Waterloo, Canada

- Honours, Co-Operative Program

SUMMARY

Senior Software Engineer with 8+ years of experience in backend development. Proven track record designing and developing scalable microservices, improving system performance, and integrating modern infrastructure tools. Deep expertise in Java and hands-on experience with a variety of backend technologies. Committed to building reliable, maintainable systems that support business growth and engineering excellence.

SKILLS

Development & Programming

Java C# Python C++ C

JavaScript PowerShell SQL HTML

CSS Docker Kubernetes Jenkins

Postman IntelliJ IDEA PyCharm

Eclipse Visual Studio Xcode

Spring MVC Angular AngularJS

ASP.NET MVC REST AJAX jQuery

Bootstrap Node.js Tomcat

SmartFoxServer 2X

Infrastructure & Collaboration

PostgreSQL MySQL SQL Server

Couchbase Git Bitbucket

Subversion Azure DevOps Jira

Confluence Tableau Grafana Loki

Temporal SaaS

INTERESTS

🎲 Game Development

🤖 Artificial Intelligence

LANGUAGES

English
Native
● ● ● ● ●

Hebrew
Native
● ● ● ● ●