

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

- 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 μ C++ 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

JavaC#PythonC++C

JavaScriptPowerShellSQLHTML

CSSDockerKubernetesJenkins

PostmanIntelliJ IDEAPyCharm

EclipseVisual StudioXcode

Spring MVCAngularAngularJS

ASP.NET MVCRESTAJAXjQuery

BootstrapNode.jsTomcat

SmartFoxServer 2X

Infrastructure & Collaboration

PostgreSQLMySQLSQL Server

CouchbaseGitBitbucket

SubversionAzure DevOpsJira

ConfluenceTableauGrafana Loki

TemporalSaaS

INTERESTS

- Game Development
- Artificial Intelligence

LANGUAGES

EnglishNative

HebrewNative