

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

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