ELIAV YEHUDA

Senior Software Engineer

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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 DAU
- 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 DB architectural transition from multi-tenancy to single-tenancy
- 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
●●●●●