

Efrat Zusman

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SUMMARY

Highly motivated and analytically-driven Software Engineer, specializing in Computer Science with Honors, eager to apply strong foundational programming skills and a profound passion for mobile technologies to a Junior Android Developer role at Moovit. A proven problem-solver with a fast learning ability and a commitment to delivering clean, efficient, and user-centric solutions. Experienced in object-oriented programming (OOP), modern web technologies, and Agile development, poised to excel in building innovative urban mobility applications that enhance user experience.

EDUCATION

B.Sc. in Computer Science with Honors (Expected 2025)

Jerusalem College of Technology, Jerusalem, Israel

* **Key Coursework**: Advanced Programming, Object-Oriented Programming (OOP), Design Patterns, Algorithms & Data Structures, Artificial Intelligence, Cyber Security, Hardware Design.

* *Provides a robust theoretical foundation in computer science, directly applicable to complex software development challenges.

Google & Reichman University Bootcamp (2025)

* **Focus Areas**: Agile software development, system analysis, automated testing (Cypress & Selenium), embedded systems programming (C/C++), real-time microcontroller programming, CI/CD workflows, AI-assisted software development & agent integration.

* *Gained practical experience in modern development methodologies and automated processes essential for efficient software delivery in any environment, including mobile.

EXPERIENCE

Hardware Design & Verification Internship | READY Group (Expected 2025)

* Applied automation and simulation principles, focusing on test design, verification, and process optimization within hardware and software environments.

* *Developed a robust understanding of system-level thinking and rigorous testing practices, highly valuable for ensuring high application quality and performance.

PROJECTS

Mini Social Network (Full-stack Web Application)

* **Technologies**: Node.js, MySQL, JavaScript

* Developed a full-stack web application enabling user interactions, data management, and content sharing.

* Applied modular architecture with clean code and efficient CRUD operations, demonstrating strong backend (API design) and frontend (responsive interface) development skills, highly transferable to mobile app data consumption and UI/UX implementation.

* Ensured smooth server-client communication and a user-friendly interface.

Professional Website for Accountant (Full-stack Web Application)

* **Technologies**: Node.js (Express), React, MySQL

* Developed a responsive web application utilizing React (with Hooks and state management) for

the frontend and Node.js (Express) with a MySQL database for the backend.

- * Designed and integrated RESTful APIs and applied Git version control for collaborative development.
- * Showcases strong command of object-oriented design and API integration, essential for modern Android applications communicating with backend services.*

Volunteer Management System (Desktop Application)

- * **Technologies**: C# .NET, WPF
- * Built a three-tier architecture desktop application for managing volunteers, requests, and assignments.

- * Applied Design Patterns, SOLID principles, and clean code practices, focusing on performance, maintainability, and intuitive UI/UX design.
- * Demonstrates expertise in robust software architecture and user interface principles, fundamental for developing high-quality Android user experiences.*

Automated Deployment Demo (CI/CD Workflow)

- * **Technologies**: Docker, Jenkins
- * Built a lightweight demo showcasing CI/CD automation and containerized deployment workflows.
- * Understands and implements modern DevOps practices for efficient and reliable software delivery, crucial for mobile app releases.*

SKILLS

- * **Programming Languages**: Java (proficient, foundational for Android development)**, C#, C+++, Python, JavaScript, Verilog, SystemVerilog
- * **Android Development (Foundational)**: Strong OOP principles applied to mobile development, understanding of mobile UI/UX concepts, enthusiastic to master Android SDK and Kotlin.
- * **Backend Development**: .NET Core, Node.js, Express.js, RESTful APIs
- * **Frontend Development**: React (with Hooks), JavaScript, TypeScript, HTML5, CSS3
- * **Databases**: SQL, MySQL, MS SQL
- * **Testing & Automation**: Selenium, Cypress, Manual & Automated Testing, Testbenches, Simulations
- * **DevOps & CI/CD**: Git, Docker, Jenkins, CI/CD workflows
- * **Cloud Platforms**: AWS, Azure
- * **Operating Systems**: Windows, Linux
- * **Hardware Design & Verification**: UVM, Coverage
- * **Methodologies**: Agile software development, System Analysis, Design Patterns, SOLID principles, Clean Code

LANGUAGES

- * **English**: Fluent
- * **Hebrew**: Native