

Efrat Zusman

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## Summary

Highly motivated Software Engineer with a strong academic foundation in Java and Object-Oriented Programming (OOP), eager to start a career as a Junior Android Developer at Moovit. Proven ability to quickly learn and master new technologies while delivering clean, maintainable, and efficient code. Leveraging strong analytical and problem-solving skills to contribute to innovative mobile applications and accelerate the global adoption of autonomous transportation. Team-oriented and collaborative, with excellent communication skills and a commitment to engineering excellence.

## Technical Skills

Programming Languages: Java (Core for Android Development), C#, C++, Python, JavaScript, TypeScript

Mobile Development (Self-Study & Foundational Knowledge): Android SDK, Android Studio, Lifecycle Components, UI/UX for mobile

Backend Development: .NET Core, Node.js, Express.js, RESTful APIs

Frontend Development: React (Hooks), JavaScript, HTML5, CSS3, UI/UX Principles for responsive design

Databases: SQL, MySQL, MS SQL

Testing & Automation: Selenium, Cypress, Manual & Automated Testing, Debugging

DevOps & CI/CD: Git, Docker, Jenkins, CI/CD Workflows

Cloud Platforms: AWS, Azure

Operating Systems: Windows, Linux

Hardware (Relevant for Mobileye context): Verilog, SystemVerilog, UVM, Simulations

## Education

B.Sc. in Computer Science (with Honors) | Jerusalem College of Technology | 2023-2025

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

Highlights: Developed a strong understanding of foundational computer science principles critical for robust software development.

Google & Reichman University Bootcamp | 2025

Focused on Agile software development methodologies, system analysis, automated testing (Cypress & Selenium), embedded systems programming (C/C++), real-time microcontroller programming, CI/CD workflows, and AI-assisted software development and agent integration.

## Experience

Professional Website for Accountant | Node.js (Express), React, MySQL

Developed a responsive web application (frontend with React Hooks) and backend (Node.js/Express with MySQL) demonstrating full-stack development capabilities.

Designed and integrated RESTful APIs, utilizing Git version control for collaborative development.

Applied best practices for clean code and efficient data management, laying a strong foundation for scalable application development, including potential mobile backend services.

Hardware Design & Verification Internship | READY Group | 2025

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

Gained experience in rigorous testing methodologies, debugging, and problem-solving in multi-layered systems, valuable for identifying and resolving issues in mobile applications.

## Projects

### [Placeholder for a New Android Project - e.g., 'Simple Android Utility App']

Developed a basic Android application using Java and Android Studio, demonstrating core Android UI components (e.g., layouts, buttons, text views) and lifecycle management.

Applied Object-Oriented Programming principles to create clean, modular, and maintainable code.

Showcases direct interest and foundational practical skills in Android development.

### Volunteer Management System | C# .NET, WPF

Built a three-tier architecture desktop application for managing volunteers, requests, and assignments.

Successfully applied Design Patterns, SOLID principles, and clean code practices to ensure maintainability and scalability, critical for complex mobile applications.

Focused on performance, maintainability, and intuitive UI/UX design, directly transferable skills for creating user-friendly mobile interfaces.

### Mini Social Network | Node.js, MySQL, JavaScript

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

Applied modular architecture with clean code and efficient CRUD operations, ensuring smooth server-client communication and robust data handling.

Gained experience in managing user data and delivering a user-friendly interface, relevant for mobile app development user experience.

### Automated Deployment Demo | Docker & Jenkins

Developed a lightweight demo showcasing CI/CD automation and containerized deployment workflows using Docker and Jenkins.

Demonstrates understanding of modern development pipelines, crucial for efficient testing and deployment of Android applications.

## Languages

English - Fluent | Hebrew - Native