

Oriel Malik

Software Engineer - 0587306070 – Tel Aviv

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PROFESSIONAL SUMMARY

Detail-oriented Backend Developer (B.Sc. Software Engineering) with hands-on experience in Java & Python microservices, REST/GraphQL APIs, clean code, and end-to-end system design. Strong in OOP, algorithms, secure practices, reactive programming, and scalable deployments.

Education

2020 - 2024, Afeka College of Engineering

B.Sc. in Software Engineering (GPA:80)

Specialization: Cybersecurity (Zero Trust, Cloud Computing, Cryptography).

Experience

2024–2026, Backend Developer (R&D Unit), Afeka College of Engineering

Developed a scalable expert-matching system using Spring WebFlux, Neo4j, and Docker; the platform's success led to its adoption by the college's R&D Unit for industrial application.

2021 – 2023, Science and Technology Israel Office, Tel-Aviv Israel, Teacher

Designed and delivered advanced CS curriculum including algorithms, OOP and WPF desktop projects. Mentored 11th-12th graders on final projects (many achieved 90+ grades)

Projects

Enterprise Organization Microservices System

- Built microservices for complex nested organizational structures (units → departments → employees).
- Implemented 4 architectures: JPA/PostgreSQL, Reactive WebFlux/MongoDB, Kotlin, GraphQL + Spring Boot.
- Included REST/GraphQL APIs, Gradle, JUnit, Docker Compose.

McpMathHoly

- Built a clean, modular FastApi backend as foundation for MCP (Model Context Protocol) server with AI tool integration.
- Implemented extensible architecture: tool registration, separation of concerns, design patterns for maintainability and scalability.
- Used Python, FastApi, FastMCP. Includes models, utilities, tests, and placeholder math modules.

Technical skills

- **Languages:** Python, Java, SQL, JavaScript.
- **Backend Frameworks:** Spring Boot, WebFlux, FastAPI, Flask, NodeJS.
- **Databases:** PostgreSQL, MongoDB, Neo4j
- **Architecture & APIs:** REST, GraphQL, Reactive Programming, OOP, Secure Coding, StarUML.
- **DevOps & Tools:** Docker, Git, Linux
- **AI & Development Tools:** Claude Code, Cursor, GitHub Copilot, Grok, ChatGPT, Hugging Face, groq