# Shimon cohen

## Software Developer

✉ shimoncohen524@gmail.com  📞 0584200901  📍 Jerusalem

📅 20/09/2001  🚩 Israel/Morocco  ⚭ Married+1  in Linkedin

🛡 Tech Instructor

## 👤 PROFILE

Computer Science graduate with a strong foundation in software engineering and backend development. Experienced in building full-stack applications using Node.js, TypeScript, React, Django, and containerized environments with Docker. Solid academic background in algorithms, operating systems, and compiler fundamentals, combined with hands-on projects in cloud deployment and API development. Currently expanding skills in Generative AI and LLM-based backend integration.

## 💼 PROFESSIONAL EXPERIENCE

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| 2023 — 2025<br>Raanana District | **Happyna** ↗<br>Software Developer Intern at Happyna.com<br>Recruited as a Software Engineer Intern and actively contributed to the development of the platform as part of an established team. Worked across the full stack, including backend API development with Node.js and Django, frontend integration, database modeling, and feature implementation, supporting ongoing product development and platform evolution. |

## 🌐 LANGUAGES

| French | ● ● ● ● ● | Hebrew | ● ● ● ● ● |
|---|---|---|---|
| Arabic | ● ● ● ● ● | English | ● ● ● ● ○ |

## 🧠 SKILLS

### Frontend Development
- **Languages & Frameworks:** JavaScript (ES6+),React.js (Hooks), HTML5, CSS3
- **UI & Styling:** Tailwind CSS, Material-UI
- **Build Tools:** Vite, ESLint, Prettier
- **Responsive design**
- **Frontend–Backend integration**

### Testing & Quality
- **Unit & Integration Testing:** Jest
- **End-to-End Testing:** Cypress (basic)
- **Version Control:** Git, GitHub

### Architecture & Collaboration
- **Concepts:** MVC, modular monolith, clean architecture (intro level)
- **Communication:** REST APIs, message queues (intro level)
- **Team Practices:** code reviews, documentation, Agile (Scrum/Kanban)

### Backend Development
- **Node.js, Express.js**
- **Django (MTV architecture)**
- **RESTful API development**
- **Authentication & authorization (JWT, sessions)**
- **Input validation and error handling**
- **Business logic and service-layer implementation**

### Tooling & Productivity
- Git (CLI + GitHub/GitLab), VS Code, Makefile, NPM/Yarn/TurboRepo
- Agile (Scrum/Kanban), Jira, RFC writing, code reviews

### Databases
- **SQL (MySQL / PostgreSQL)**
- **MongoDB**
- **Data modeling and schema design**
- **CRUD operations and indexing**

### DevOps & Cloud
- **Docker, Docker Compose**
- **Containerized full-stack applications**
- **Cloud deployment workflows**
- **Environment configuration and secrets management**

### Software Engineering & Principles
- **Object-Oriented Programming (OOP):** design and implementation in Java, C#, C++, Python
- **SOLID principles** and clean code practices
- **Compiler fundamentals:** built a mini compiler during studies (lexical, parsing, code generation)
- **Data Structures & Algorithms, Operating Systems, Database Systems**

### Artificial Intelligence & GenAI
- **Python for data processing**
- **Generative AI concepts**
- **LLM-based backend integration**
- **Model Context Protocol (MCP) – learning and experimentation**
- **AI API orchestration**

## 📁 SELECTED PROJECTS

**Selected Projects available on GitHub** ⬈ : REST APIs, Redis-backed services, CI/CD pipelines, frontend apps with React & Tailwind.

## 🎓 EDUCATION

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|---|---|
| 2024 – 2025<br>Ramat gan | **Full-Stack Development Bootcamp**<br>HackerU<br>End-to-end web development: modern frontend frameworks, backend architecture, database design, cloud integration, software engineering best practices, and professional development methodologies. |

2021 — 2024
Jerusalem, Israel

**B.Sc. in Computer Science**

Jerusalem College of Technology (JCT)

**Relevant Courses:** Data Structures & Algorithms, Operating Systems, Databases, Software Engineering, Computer Architecture

## 🎸 INTERESTS

- Traveling
- Music
- Learning

2021 — 2024
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