

Keren Cohen

Software Developer

- **Software Developer with industry and military experience, 8200 Alumeni with B.Sc. in Computer Science.**
- **Skilled in diving into large code, applying core OOP principles, and integrating with diverse databases and systems.**
- **Passionate about complex problem solving and high-quality code.**
- **Highly motivated to learn new technologies and handle technological challenges.**
- **Started programming at age 14.**

Experience

2025 Software Developer, AngelSense (Maternity leave cover)

- Developed and maintained RESTful APIs.
- Implemented integrations between the product and 3rd party systems APIs.
- Built E2E testing automation infrastructure for UI & API.
- Optimizing server-side code and runtime performance.
- Implemented data cleanup workflows to remove obsolete test users and associated entities.
- Refactored legacy code by applying Clean Code conventions.

Technologies: Java, Spring Boot, Swagger, Jenkins, Kafka, Elasticsearch, MongoDB, Redis, MySQL, Docker, SQL, REST APIs, JavaScript

2023 – 2024 Software Developer, Unit 8200

- Built ETL pipelines using internal unit databases and open-source data, integrating multiple data sources and sink.
- Applied OOP and design patterns such as : **Factory, Decorator, Builder and Singleton** for modular, maintainable and high - quality code.
- Implemented secure design principles to ensure data confidentiality.

Technologies: Python, SQL, PostgreSQL, JavaScript, ETL, OOP & design patterns, secure architecture.

2020 – 2021 PMO Data & Network, One Taldor

- Led data-optimization and network-infrastructure projects, contributed to the PMO team that streamlined distance-learning rollout during COVID-19.
- Planning and executing the end-to-end product lifecycle—roadmap, budgeting, handling technical issues, risks with cross-functional coordination.
- Provided stakeholder reporting and data insights.
- Designed large-scale analytics with an emphasis on security and cost efficiency.

2019 Tech Instructor, Big Idea JCC (USA Jewish Communities)

- Designed and delivered workshops in programming, robotics, desktop-app development, and game creation.
- Engaged diverse student groups in hands-on coding.

2017 – 2019 Cyber Threat Analyst, Unit 8200

- Conducted advanced cybersecurity research and network analysis with international intelligence partners.
- Threat detection using Python scripts and developed C# investigation tools.
- Queried large datasets in SQL and performed deep packet inspections with Wireshark.

Projects

- [PromLink](#) An open-source contribution project to Prometheus, written in Go, integrating the Alertmanager component with chat apps like Mattermost and RocketChat through their APIs.

Education

• **2021 – 2024 B.Sc. in Computer Science, Academic College of Tel-Aviv-Yafo** Most liked courses: Algorithms (100), Data Structures (92), Object-Oriented Programming (95)

• **2017 – 2019 Military courses , Unit 8200** Cyber Threat Course, Data Analyst Course, Commander Course



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[LinkedIn](#)



[GitHub](#)



[Portfolio Website](#)

Skills

Programming Languages

- Java
- Python
- C#
- TypeScript + JavaScript
- C++
- C
- Go

Tech Stack

- SQL
- Docker
- Spring Boot, Swagger
- Kafka
- React
- MongoDB, Redis, MySQL, PostgreSQL
- REST APIs + Postman
- Scraping - BeautifulSoup, Selenium, Regexp, Xpath
- GIT
- Linux, WSL, Ubuntu
- CSS + HTML
- Prometheus

Volunteering

- **Yozmot Organization –** Delivered tech lectures on information security and cyber threats during the Iron Swords War.
- **QueenB -** contributing to events that empower women to pursue computer science careers.

Languages

- English - Fluent
- Hebrew - Native