

# Guy Bernstein Backend Developer

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[LinkedIn](#) | [GitHub](#)

## TECHNICAL VIDEO WATCH ME

### SKILLS

#### Programming Languages:

- Java
- Python
- JavaScript
- HTML5
- CSS3

#### Framework:

- Spring-Boot

#### Databases and Queues:

- PostgreSQL
- MongoDB
- AWS S3
- Cassandra
- Redis
- Kafka
- Elasticsearch

#### General knowledge:

- FastAPI
- Docker
- OOP
- JIRA
- CI/CD
- MicroServices
- Kubernetes
- Postman
- Design Patterns
- Web Scraping

#### Languages

- Hebrew
- English

#### Military Service

12/3/17 - 2/1/2020

Recruited to the 'Kfir' Brigade 90  
Training / Courses: Basic  
training(05), advanced training(07)  
Positions: Deputy Assistant to  
Brigade Commander in Samaria  
Region

### Profile

I am programmer with high performance capabilities and high achievements. Eager to work at the forefront of technology and advocate a high level of work as an individual and as part of a team.

### Project Experience

#### "AI Learning Hub":

Developed an innovative **AI**-powered educational platform that generates personalized learning content for ASD 6th grade students using **OpenAI's GPT**. The system implements secure user authentication with **JWT** and utilizes **Spring Boot** backend to generate customized lessons, interactive games, and art activities based on individual student profiles and interests. Implemented robust content management with **PostgreSQL** and seamless media handling through **AWS S3**. The platform features an intuitive student portal with advanced filtering capabilities and a comprehensive lesson management system, all containerized with **Docker** for scalable deployment.

<https://pupil-lesson-generator.runmydocker-app.com/>

**watch me:** <https://www.youtube.com/watch?v=1fICuz2F4eM>

#### "Chat-bot":

Developed an intelligent conversational interface using **Dialogflow** for natural language processing and **webhook** integration. The bot processes user intents through **Dialogflow** to fetch jokes from the Chuck Norris API. A complementary **REST API**, built with **Spring Boot** and deployed on **RunMyDocker**, performs **web scraping** using **JSoup** to search IMDB's Top 25 movies list.

<https://guy-chatbot.runmydocker-app.com/swagger-ui.html#/>

#### "Search-engine":

Developed a search engine that uses a **Crawler** and the **DFS** algorithm to extract relevant addresses and stores them with **Redis**. During the operation of the software, **Kafka** and **Elasticsearch** are used for the purpose of breaking down the tasks and improving the efficiency of the software.

### Education

#### The Open University of Israel

Bachelor of Science in Computer Science

Graduation: July 2025

**GPA: 85**

#### Backend Bootcamp

CodingBC 11/2024 [www.codingbc.com](http://www.codingbc.com)