Guy Bernstein

Backend Developer

Dedicated and enthusiastic Backend Developer with a solid educational background in computer science and programming. Hardworking, diligent and passionate about coding and scalable solutions. Seeking an opportunity to join a dynamic and supportive environment.

https://github.com/GuyBernstein   https://www.linkedin.com/in/guybernstien   0509603888   guyu669@gmail.com

Personal Projects

"WhatsApp Organizer":

Developed an AI-powered message organization platform for WhatsApp users, featuring an intuitive interface built with Spring Boot.

- Engineered backend architecture using Anthropic's AI and WhatsApp Business API, integrated with PostgreSQL database and GCP for secure and efficient data and media management.
- Implemented key features including intelligent message categorization, advanced search functionality, and secure user authentication using OAuth 2.0, with Docker containerization for scalable deployment.

Watch me
https://www.youtube.com/watch?v=4JXdIhcAUog
Demo
https://www.tapitim.com/

"AI Learning Hub":

Created an educational platform tailored for 6th grade ASD students, featuring an AI-driven interface designed with Spring Boot and integrated with ChatGPT for personalized learning experiences.

- Developed backend infrastructure using JWT authentication and PostgreSQL, integrated with AWS S3 for efficient media content management.
- Implemented features such as automated lesson generation, customized interactive games, and creative art activities, all adapted to individual student profiles and learning preferences.

Watch me
https://www.youtube.com/watch?v=1flCuz2F4eM
Demo (Refresh the Page After a Few Seconds)
https://pupil-lesson-generator.runmydocker-app.com/

"Search-engine":

Developed a high-performance web crawling platform utilizing DFS algorithm for efficient content discovery and indexing, featuring a streamlined architecture designed with Redis for optimal data caching.

- Engineered distributed task processing system using Apache Kafka and Elasticsearch, integrated for enhanced scalability and performance optimization.
- Implemented features such as intelligent address extraction, distributed crawling management, and efficient data storage with Redis for rapid retrieval and indexing.

Skills

Java, Python

Spring Boot

PostgreSQL, MongoDB, Cassandra, Redis

Kafka, Java Message Service

Docker, AWS, Kubernetes, GCP

Git, Jira

Docker, JWT, Oauth 2.0

Object Oriented Programing, Scraping Design Patterns

Languages

Hebrew – native
English – fluent
spanish – basic

Military service

12/3/17 - 2/1/2020
Recruited to the 'Kfir' Brigade 90
Position: Samaria Region

Education

The Open University of Israel
Bachelor of Science in Computer Science
GPA: 86

CodingBC   www.codingbc.com
Hands-on experience and best practices in Backend programming.