

# Chris Karousis

Athens (Greece) – [chriskarousis@gmail.com](mailto:chriskarousis@gmail.com) - <https://www.linkedin.com/in/chris-karousis-7311271a7/> - <https://www.github.com/ChrisKarousis> – <https://chriskarousis.github.io/>

**Computer Science** graduate with almost completed military service and over a year of experience in backend development and database management. Passionate about building efficient, scalable systems and continuously expanding technical expertise.

## CAREER EXPERIENCE

**Backend Developer** : 09/2024 – 09/2025 at KASMN (Kentro Automatopoihsis Susthmatwn Maxhs Nautikou)

- During my military service I worked as a backend developer in the Greek navy.
- Gained hands-on experience with Spring Boot for backend and Javascript, html and css for frontend.

**Java Developer (Work)** : 10/2023 – 09/2024 at EnlightIT

- Worked with Oracle SOA Suite, WebLogic and oracle service bus.
- Used java and sql to develop applications for data validation.
- Became also familiar with xquery, xml and json.

**Student** : 09/2019 – 07/2024 at the National Kapodistrian University of Athens

- Studied Computer Science (Grade 8.13) with specialization in Data Management and Machine Learning.
- During my studies I became familiar with programming languages like C, C++, java, sql, python, prolog and git and frameworks like pandas and tensorflow.

## SKILLS

- Backend Development
- Frontend Development
- Sql Queries
- Machine Learning
- Data Mining
- Git
- English (C2)
- German (B2)

## ONLINE LESSONS - CERTIFICATIONS

- Accelerated Computing in CUDA C/C++  
<https://courses.nvidia.com/certificates/2471359c3c6c47ccbf9930a53a928b4>
- Psounis Lessons (Java/Spring MVC/ Spring Rest/Maven)

## HIGHLIGHT PROJECTS

**Project1** – Eshop App (Java / Spring Boot / Maven / Javascript / Css / Html)

<https://github.com/ChrisKarousis/eshopApp>

A simple e-commerce application developed to gain familiarity with Spring Boot. It includes the typical structure of a Spring Boot application, with configurations and dependencies managed through Maven. The application features functionalities such as product listing, shopping cart management, and order processing, providing a practical exploration of full-stack development using Spring Boot and related technologies.

## **Project2 – My Simple Shell ( C )**

<https://github.com/ChrisKarousis/SYSPRO/tree/main/exercise1/%CE%A7%CF%81%CE%AE%CF%83%CF%84%CE%BF%CF%82%CE%9A%CE%B1%CF%81%CE%BF%CF%8D%CF%83%CE%B7%CF%82Project1>

This project is a **custom shell (command-line interpreter)** implemented in **C**, designed to execute commands similarly to Unix-based shells. It includes features such as:

- **Command Execution:** Supports standard command execution with arguments.
- **Input & Output Redirection:** Handles `<`, `>`, `>>`, and `<>` operators for file redirection.
- **Piping (|):** Supports multiple piped commands.
- **Background Execution (&):** Allows processes to run in the background.
- **Alias System:** Enables users to define command aliases.
- **Command History (myHistory):** Stores and retrieves previously executed commands.
- **Signal Handling:** Manages child processes and ignores interruptions like Ctrl+C.
- **Wildcard Expansion:** Uses `glob()` to expand file patterns like `*` and `?`.
- **Change Directory (cd) Support:** Implements a built-in `cd` command.

This shell interacts with the operating system using **system calls**.