# IASONAS PAVLOPOULOS

Web Developer


**Portfolio**
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## About Me

Aspiring web developer with a strong foundation in full-stack development and database management. Experienced in building dynamic web applications using modern technologies such as React, Next.js, and PostgreSQL. Passionate about solving complex problems and eager to apply technical skills in a professional setting.

## Education

Master's Year in the Department of Computer Engineering and Informatics at the University of Patras.

Expected Graduation: September of 2025

## Skills

- React.js, Next.js, TailwindCSS
- HTML, CSS, Javascript, Typescript
- Node.js, Express.js, REST APIs
- MySQL, PostgreSQL, MongoDB
- Docker
- Git/GitHub

## Languages

- Greek
- English

## Projects

### Thesis (In Progress)

Tech Stack: React, Next.js, PostgreSQL, Tailwind CSS, WebSockets, REST API

Design and implementation of a responsive web application for supervising an educational Unity-based game. The app uses WebSockets for real-time updates on player progress, game status, and interactions. The intuitive front-end allows instructors to easily monitor, manage game activities, adjust settings, and track performance.

### ResQSupply

Tech Stack: HTML5, CSS3, JavaScript, PHP, Apache, MySQL

Developed a collaborative system for registering assistance requests and servicing emergency needs in communities affected by natural disasters (e.g., floods, earthquakes). Implemented cross-platform compatibility, interactive maps, real-time data visualization with graphs, and responsive UI design.

### Sunrise Travel Agency

Tech Stack: MySQL, Java, Java Swing

Designed and developed a relational database management system for a fictional travel agency, including a detailed schema with tables for workers, trips, branches, reservations, offers, and logs. Implemented stored procedures for operations like driver allocation and trip scheduling, triggers for change tracking, and optimized indexing for query performance. The project was tested with simulated real-world data to ensure functionality and efficiency.