Apostolos Karamanis

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Thessaloniki, Central Macedonia, Greece

SOFTWARE ENGINEER

Recent Computer Science graduate with a proven ability to deliver high-quality, full-stack web applications. Proficient in front-end technologies including React, Next.js, and TypeScript, and skilled in back-end data analysis using Python and Hadoop. Experience in building and deploying scalable, user-centric applications within an Agile/Scrum framework. A strong communicator and problem-solver, native Greek speaker and fluent in German, poised to contribute to a collaborative and forward-thinking development team.

KEY COMPETENCIES

Data Analytics	Web Development	Collaboration
Project Management	Artificial Intelligence	Communication
Game Devlopement	Business Intelligence	Adaptability

EXPERIENCE

University of Macedonia   **Oct 2024 - Present**
Thesis - Game Development Document Editor/Creator
Engineered a full-stack web application enabling game developers and teams to collaboratively draft, manage, and export comprehensive Game Design Documents (GDDs) with ease. This project streamlined the creative workflow from concept to documentation, providing a centralized and intuitive platform for design teams.

Key Features & Implementation Details:

- Designed and implemented a clean interface allowing users to intuitively structure complex GDDs with sections, notes, images and Unity scene files without prior training.
- Developed a dynamic, real-time rich-text editor using Lexical framework, that provides a seamless and familiar writing experience, similar to modern word processors.
- Leveraged Supabase's integrated object storage for secure hosting of user-uploaded images and assets, linking them directly to the PostgreSQL database records.
- Utilized Supabase's real-time database capabilities to instantly synchronize document changes across all active users in a project, ensuring a seamless collaborative experience.
- Implemented a secure authentication system using Auth.js, allowing users to sign up and log in via credentials or OAuth providers.

JourneyJolt   **Feb 2025 - Present**
Co-Founder - Full Stack Developer
Built a unique AI-powered travel solution, which won **first place at the Netcompany Hackathon** designed for both individual and group travelers. The agent handles the entire trip-planning lifecycle, from sourcing and booking optimal flights and accommodations to providing a curated, day-by-day itinerary. Enjoy a frictionless and expertly planned travel experience.

Key Features & Implementation Details:

- Developed an AI-powered conversational travel booking system to streamline the user experience.
- Engineered a complete flight and accommodation booking and management system with comprehensive search and reservation capabilities.
- Utilized external APIs for data integration and implemented custom data transformation logic (Duffel API, Google API)
- Established a security-first development approach with secure environment management using Better Auth and Google OAuth for user management
- Implemented a complex relational database schema using PostgreSQL to manage intricate travel data.

EDUCATION

Bachelor of Science in Computer Science
University of Macedonia, 2021 - 2025 (will graduate Oct. 2025)

High School Diploma
Deutsche Schule Thessaloniki, 2015 - 2021