

George Al Bampoul

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PROFESSIONAL SUMMARY

I am an enthusiastic and results-oriented Full Stack Engineer with a passion for tackling intricate web development challenges. Throughout my career, I have garnered valuable expertise by actively participating in a variety of **headless** projects using React, React Native, and NodeJS technologies spanning both the front-end and back-end. I am keen on exploring new opportunities and am **open to relocating to the Netherlands** for a position that aligns with my skills and aspirations.

EXPERIENCE

Full Stack Engineer | Knowledge S.A.

November 2023 – Present

- Assumed a development role in an agile team through the migration of **Greece's Business Services Portal** from a Grails to a **React** front-end, concurrently refactoring the **Grails** project into an **API**.
- Demonstrated expertise in **front-end development** using **React**, incorporating technologies such as **react-hook-form**, **Material UI**, **Tanstack Query**, and **React Router**
- Collaborated closely with the design team to ensure seamless integration of design elements, resulting in **responsive, dynamic, engaging** and **SEO-friendly** user interfaces across the application.
- Produced comprehensive **end-to-end (e2e) tests** for various usage scenarios of the application, leveraging **Playwright** to automate testing processes.

Private | Greek Army

November 2022 – August 2023

- Designed and developed a robust network infrastructure using **Windows Server 2019**, integrating its **Active Directory** system to establish a cohesive user management framework thereby increasing managerial efficiency.
- Set up and optimized a dedicated email server, improving communication for superiors and reducing paper use by 80%.

Full Stack Engineer | Knowledge S.A.

March 2021 – November 2022

- Took on a development position within an agile team, throughout the complete lifecycle of the **GEMI Publicity** project, a groundbreaking search engine for Greek companies registered with the Ministry of Commerce.
- Reduced data fetching time from 3 to 5 seconds to 100ms, achieving a significant performance enhancement, by implementing **ElasticSearch** for fast load times and utilizing **Redis** for enhanced **caching** mechanisms.

EDUCATION

Integrated Masters in Computer Engineering and Informatics | University of Patras

October 2017 – November 2022

- Graduated with a GPA of 7.84/10.00, in my program's 5-year nominal duration.
- Gained a deep understanding of the field and enriched my problem-solving capabilities
- Carried out my Master's thesis, titled "Developing Defenses Against Data Poisoning Attacks on Federated Learning"

PROJECTS

Rapid Rentals | NextJS / TailwindCSS / MongoDB / NextAuth

Demo | Code

- This project is a small **SPA** I developed to reinforce and apply web development fundamentals. Key features include **SSR**, **authentication** integration with Google and Github, downloading as a **PWA**, robust **search functionalities**, and implementation of **3D rendering** using car models, and code-driven **animations**. It also has been deployed using Vercel.

Readers Cove | NextJS / Material UI / MongoDB

Demo | Code

- Readers Cove is a website developed as an assignment for the E-Commerce subject of my university. The assignment was to build a simple e-shop for a **bookstore** with the caveat that it would use state-of-the-art methods to **recommend** books. Methods used included **collaborative-filtering** and **content-based filtering** based on user and **user reviews clustering**

Tinderclone | React Native / TailwindCSS / Firebase / Figma

Code

- This is a cross-platform **mobile application** which served as my first comprehensive exploration into mobile development. It was first designed in Figma and later constructed with React Native, leveraging Expo, Nativewind, and Firebase as integral components. Noteworthy aspects include Google **authentication**, user-matching functionality, and real-time **instant messaging**.

TECHNICAL SKILLS

Languages : JavaScript, TypeScript, HTML, CSS, Python, C/C++, SQL (Postgres, MS-SQL, MySQL), NoSQL (MongoDB, Firebase)

Frameworks : React, React Native, Next.js, Bootstrap, TailwindCSS, Node.js, Flask

DevOps and API Tools : Git, Github, Jira, Confluence, Docker, Postman, Azure, CI/CD

Others : Data Modeling, Agile (Scrum/Kanban), SOLID, Design Patterns, Debugging

LANGUAGES

English : ECPE C2 Full Working Proficiency

Greek : Native Proficiency