

# PANAGIOTIS KOUFOPOULOS

FRONT END ENGINEER

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## 📁 EXPERIENCE

2023  
|  
2022

### ● Front End Engineer

GrandVision via Rebels 1 year, 2 months

📍 Amsterdam, Netherlands

I was actively involved in creating, improving and maintaining features on several key domains within Grandvision's extensive monorepo codebase:

- [Appointment Booking Flow Domain](#) Enables customers to book appointments in specific stores.
- [Store Locator Domain](#) Users can search for nearby stores and visually see these locations on a map.
- Click and Reserve Domain (unreleased) Users can check product availability in specific stores, allowing them to subsequently visit and try out the products.

This monorepo, utilized across all Grandvision's websites and brands, employs a micro-frontends architecture where over a hundred contributors worked within the same codebase, it was essential that each new feature underwent rigorous testing and ensured to be accessible. This project has taught me the significance of simplicity, testing, clear and effective communication in managing large codebases effectively.

This monorepo effectively contained all the packages and the whitelabel Next.js project. Moreover these packages were also used in every other Next.js project that mapped to each specific brand and these websites ended up supporting more than 7000 optic stores that fall under the GrandVision umbrella.

Main Technologies used: [Next.js](#), [React](#), [TypeScript](#), [Jest](#), [React Testing Library](#)

2022  
|  
2021

### ● Front End Engineer

code d'azur 1 year, 3 months

📍 Amsterdam, Netherlands

- Collaborated with the development team for Philips's product showcase pages and [component library](#) using [Vue 3](#), [GSAP](#) and [TypeScript](#).
- Assisted in the creation of [codedazur.com](https://codedazur.com), a website that allowed me to practice animations, enhance my knowledge of performance, and have fun using [Next.js](#), [React](#), [Framer Motion](#), [Styled Components](#) and [TypeScript](#).
- Contributed to the development of codedazur's [internal React component library](#), focusing on reusability, theming, extensibility, and unopinionated design utilizing [React](#), [Styled Components](#) and [TypeScript](#).
- Supported the development of [landing.wonder.me](https://landing.wonder.me) using [Gatsby](#), [React](#), [Styled Components](#) and [TypeScript](#).
- Spearheaded the UI development for [mscpressarea.com](https://mscpressarea.com), a CMS-managed, multilingual website with static pages generated at build time using [Gatsby](#), [React](#), [Styled Components](#) and [TypeScript](#).

2020  
|  
2018

### ● Front End Developer

Enartia 2 years, 1 month

📍 Heraklion, Greece

- Implemented countless sections and landing pages, some for [papaki.com](https://papaki.com) and some for [top.host](https://top.host) among other sites, using [Drupal](#), [PHP](#) and [jQuery](#).

- Worked on combating technical debt of a legacy Drupal codebase. I did this by introducing an intermediary step which transpiled all code to be compatible with all browsers of interest. I also created a small module which allowed embedding HTML in JavaScript. This greatly improved development speed since the code had to be copy-pasted every time into the Drupal UI before, using [Drupal](#), [Babel](#), [TypeScript](#) and [jQuery](#).
- Worked on maintaining and adding features to a legacy Isomorphic React project with custom Webpack bundling. This provided hands-on experience in understanding the complexities of bundling and optimizing the final output for efficient browser consumption. Additionally, I developed a notification system integrated within the Redux cycle and interacted with a backend Restful API, gaining deeper insights into request handling and enhancing my debugging skills.  
[Webpack](#), [React](#), [Redux](#).
- Incorporated numerous third-party plugins and tools, including CookiePro for managing cookie consent banners and Deskpro for live chat support, enabling customer interactions with the support team. Utilized internal APIs such as a mail server API to send notifications to colleagues in different scenarios.
- Developed DB2CSVGen, a tool offering a customizable interface for generating queries, fetching data from a database via a backend proxy, and exporting the results in CSV format.  
[React](#), [Node.js](#), [Express.js](#).

## EDUCATION

2020  
|  
2013

### • **BSc. in Computer Science** University Of Crete

📍 Heraklion, Greece

**Thesis:** [Development of a Web-based Graphical User Interface for the Hippalus Exploratory Search System \(visit live site\)](#)

**Professor:** [Yannis Tzitzikas](#)

**Supervisor:** [Panagiotis Papadakos](#)

**Grade:** 10/10

[Hippalus](#) is a publicly accessible web system demonstrating a preference-enriched FDT-based exploratory process. It offers actions that allow the user to order facets, values, and objects using best, worst, prefer to actions (i.e. relative preferences), around to actions (over a specific value), or actions that order them lexicographically, or according to their values or count number.

The main focus of my thesis was to develop a web interface for Hippalus from scratch. Our goal was a detached front end which would be 1) highly-maintainable, 2) built using modern technologies and 3) highly-customizable. To do that, I performed extensive research on the various techniques regarding the implementation of User-Interfaces. My focus turned to [Single Page Application](#) technology and React. Both of these technologies turned out to be perfect for the thesis goals.

## PROJECTS

### • **Mobile Events Application**

[visit live site](#)

[Android](#), [iOS](#), [Firebase](#), [Cloud](#), [Ionic Framework](#)

The Mobile Events Application offers a user-friendly way to register annual events and displays the number of days remaining until each event occurs. Built with Ionic Framework and React, the app stores user data in Cloud Firestore, linked to the user's account, and utilizes Firebase Authentication.

### • **Modular Personal Website**

[visit live site](#)

[Next.js](#), [React](#), [Static Site Generation](#), [Dark Mode](#)

Modular Personal Website is an open-source template designed for those interested in using Next.js and Static Site Generation. This template boasts several features, including a switch between light and dark mode.

- **Portfolio Website** [Webflow, Website Builder](#) [visit live site](#)  
The Portfolio Website showcases personal projects and explores the capabilities of website builders, built initially using Webflow, extracted using devtools and deployed on [vercel.com](#).
- **TimeLock: A Back End Service to lock information** [Express.js, TypeScript, Mocha, Chai, Supertest, Docker](#) [visit gh repo](#)  
TimeLock is a back-end service that secures information until a specified time period has passed. The API includes tests written with supertest and chai.
- **mdcopy - Chrome Extension** [Markdown, org-mode, Chrome Extension](#) [visit live site](#)  
This extension allows you to copy the current page url and title in Markdown or org-mode format. The body title of the page is used as the title of the url. This is very convenient since almost every page has an accurate title that represents the page content.
- **Anonymous communication with any server** [Python, pycrypto, sockets, threads, asymmetric encryption](#)  
A networking service that retrieves information from a server through a relay node without revealing the client's identity. Initially, the client pings three nodes and selects the one with the lowest latency (average round-trip time) as the relay. The relay server communicates with the end server and forwards the data back to the client. All communications between the relay node and the client are encrypted.

## </> TECHNICAL SKILLS

**Front End:** [Next.js, Gatsby.js, React, Vue, Redux, Styled Components, CSS, SASS, Babel, HTML](#)

**Front End Implementation Concepts and exploration:** [Server Components, Static Site Generation, Incremental Static Regeneration, Client Side Rendering, Server Side Rendering, Progressive Web Apps, Responsive Web Design, understanding of what makes an application fast and performant eg Core web vitals, lighthouse, impact of bundle size, why components rerender, js event loop and animation frames, basics of javascript such as the prototype chain and referential equality, back end basics such as the HTTP request/response cycle, http methods, latency, cdns, APIs, RESTful architecture, GraphQL](#)

**Programming Languages:** [TypeScript, JavaScript, C, C++, Java, Python, SQL, Bash](#)

**Android, IOS Development:** [Ionic Framework, Progressive Web Applications \(PWAs\)](#)

**Back End:** [Node.js, Express, Firebase](#)

**Databases:** [Google Cloud, Firestore, MongoDB, MariaDB, MySQL](#)

**Cloud services:** [Firebase, Supabase](#)

**Serverless:** [Vercel, Heroku](#)

**Testing:** [Jest, React Testing Library, Cypress, TDD, Mocha, Chai](#)

**Tools:** [Excellent use of git, releases and patches, git tags, scripting, experience working with remote machines, ssh, linux, wsl, VMs, Docker, Webpack, esbuild, Postman, Chrome devtools, Webflow](#)