

# Kostas Kapenekakis

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## EDUCATION & CERTIFICATES

*Bachelor of Science, Applied Informatics and Multimedia*

Technological Educational Institute, Heraklion, Greece, 2005 - 2009 (*Dropout*)

*First Certificate in English*

University of Cambridge, December 2001, License No: 7487765

## SKILLS

**Languages:** JavaScript (ES2020), Flow, TypeScript, ReasonML

**Front-end Development:** React, Redux, GraphQL/Apollo, Emotion/Styled Components

**Back-end Development:** Node.js, Express, GraphQL/Apollo, Kafka, Mongo, DynamoDB, PostgreSQL

**Infrastructure Orchestration:** AWS\*, Linux, FreeBSD, Docker, nginx, Terraform

**Testing:** Jest, RTL (React Testing Library), Cypress, Enzyme, Mocha, Sinon, Chai

**AWS in detail:** Lambda, API Gateway, S3, Cloudfront, IAM, Cognito, Amplify, DynamoDB, DocumentDB, RDS, Route53, SES, CloudWatch

## EXPERIENCE

**Full Stack Software Engineer (contract)** at GFK January 2021 - Current

- Worked in the Onboarding/University team, helping new members setup and run the project on their machines and understand the different parts of the codebase.
- Paired with other members of the team, added new options to product graphs like "Moving Annual Total" and improved sorting persistence.
- Fixed various bugs and added more unit and integration tests.

Technologies: React, Redux, TypeScript, Node.js, GraphQL, RTL, Cypress, GCP

**Full Stack Software Engineer (contract)** at Gravitai June 2020 - November 2020  
(Client: Schrodgers Personal Wealth)

- Created new vendor personalizable pages, working in collaboration with the designer.
- Applied multiple UX improvements to the campaign page and added several new components that improved the trustability of the website.
- Improved SEO, fixed type errors and numerous bugs.

Technologies: React, Redux, TypeScript, Node.js, Contentful, Salesforce, AWS, GCP

**Full Stack Software Developer (contract)** at Kaluza, OVO group October 2019 - April 2020

- Developed features providing useful stats, insights and actions for the "OPS Console" dashboard, used by the operations and support engineers.
- By combining SQL queries and adding list prerendering and memoisation on the frontend, managed to scale the dashboard to handling thousands of devices and continuous device telemetry smoothly.

Technologies: React, Redux, Apollo GraphQL, TypeScript, Node.js Express, Apache Kafka, PostgreSQL, Docker, Terraform, GCP

**JavaScript Developer (contract)** at Eurostar January 2019 - October 2019

- As part of the content and personalization team and delivered features to the main Eurostar website which is accessed monthly by 1.2 million unique users.
- Developed features and improved stability for the internal (stock, workforce & task management) app used by train depot engineers.
- Designed and implemented a reusable GraphQL API and reworked the front-end app for a competition that got more than 50 thousand entries and brought more than 15 hundred marketing signups.

Technologies: React, TypeScript, NEXT.js, Apollo GraphQL, MongoDB/DocumentDB, Material-UI, React-Testing-Library, Cypress, Terraform, AWS

**Web front-end engineer** at depop September 2017 - January 2019

- Organised the hiring based on Aptitude, Attitude and Attributes, creating a web team of 3 engineers.
- Increased the speed and stability of the main web app and reduced the downtimes by applying the Clean Code principles, adding unit tests and enforcing strict types with TypeScript.
- With the rest of the team we developed a set of additional micro front-end apps and API microservices that increased the user registrations and sales, helping the company to grow from 8 to 12 million users.

Technologies: React, Redux, Relay GraphQL, Flow, TypeScript, Node.js Express, AWS, Terraform, Ansible, Fastly

**Web developer (charity volunteer)** at Carefreebreaks June 2018 - December 2018

- Added new features and reduced the amount of bugs in the main web app.
- Implemented a new application for getting donations and offering free holiday booking to carers.

Technologies: React, Redux, Stripe API, Material-UI, AWS

**JavaScript developer (contract)** at hevnlly October 2015 - August 2017

- Implemented multiple backend microservices, APIs and a set of front-end apps, including a magazine with e-commerce functionality and a CMS.
- Streamlined the Continuous Integration and Delivery for our projects, utilising light (alpine) Docker images and caching which reduced the build and deployment time from 2 minutes to 20 seconds.

Technologies: Backbone/Marionette, SCSS, Bootstrap, CoffeeScript, NodeGit, Node.js/Express, MySQL, Graph-icsMagick, Docker, Bitbucket Pipelines, Travis CI, Grunt, AWS

**Front-end web developer (contract)** at Qrator June 2015 - August 2015

- Worked close with the designer and we implemented a redesign across the whole app.
- Debugged and fixed various CSS and JavaScript problems.

**Web developer** at Holic May 2014 - October 2015

- Implemented multiple redesigns and dramatically improved the stability & performance of the web app.
- In collaboration with the designer introduced a design styleguide which speeded up development and increased the consistency of the UI.
- Overhauled the web (Backbone/Marionette) app and did a complete rewrite using the Flight JavaScript framework that was introduced by twitter.

**Seaman** at Hellenic Navy - National service September 2013 - May 2014

**Web developer** at Fast Web Media

May 2012 - August 2013

- Built and maintained numerous websites and online campaigns for known Molson Coors brands.
- Introduced code reusability by implementing abstract templates and plugins for our clients' web applications.
- Pushed for enforcing best practices which helped reducing bugs, and development time.
- Always applied multiple optimisations when needed, achieving faster websites and happier customers.

**Co-founder & engineer** at crunch.fm

December 2012 - June 2013

- Utilised the stability of FreeBSD and combined with a set of AWS services and the nginx server, architected a rock-solid hosting environment.
- Designed and built the deployment process using Git hooks and Passenger.
- Optimized the front-end and reduced the amount of CSS bugs.

**Freelance software engineer** (notable projects)

2008 - Current

- [mathingreece.org](http://mathingreece.org) - Conferences and seminars in Mathematics organized in Greece (2016)
- [gear.math.illinois.edu/members/signin/collaboration](http://gear.math.illinois.edu/members/signin/collaboration) - "Gear Project" members' collaboration chart (2015-2017)
- [gear.math.illinois.edu/people/network](http://gear.math.illinois.edu/people/network) - "Gear Project" members' profiles (2014)
- Dummy router, using react (2018)