







## Personal details

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 Tervuren

 Mathias Appelmans

 Portfolio : mathiasappelmans.be

## Education

Bachelor Informatique de gestion  
2011  
Ecole Pratique de Hautes Etudes  
Commerciales, Brussels

Licence Sciences Economiques  
1990  
Université Libre de Bruxelles

### Skills

- |                 |              |
|-----------------|--------------|
| • PHP           | • React      |
| • Symfony       | • Node.js    |
| • Laravel       | • Javascript |
| • Postgre       | • Typescript |
| • MySQL         | • Next.js    |
| • GitLab        | • Vue.js     |
| • DevOps        | • Tailwind   |
| • Rest API      | • Bootstrap  |
| • MicroServices | • MUI        |
| • Mercure       | • npm        |
| • PHPUnit       | • yarn       |
| • curl          | • REST API   |
| • cron          | • NextAuth   |
| • shell scripts | • JQuery     |
| • Cloud         | • Prisma     |
| • Azure         | • Git        |
| • AWS           | • GitHub     |
| • Docker        | • Linux      |
| • Kubernetes    | • Nginx      |

English	● ● ● ● ●
Français	● ● ● ● ●
Nederlands	● ● ● ● ●
Deutsch	● ● ● ● ●

## Full Stack Developer

### Work Experience

Analyst Developer full stack

Feb 2024 - today

 DotDev bv.

- Building web applications by working on both the front-end components and back-end (Node.js and/or PHP frameworks) and databases (SQL).
  - Coding, debugging, and testing, as well as collaborating with teams to manage project requirements and integrate third-party services.
  - Designing and Developing UI components for over 15 clients using React, PHP, Vue, Nextjs.
- Some achievements :
- Implemented and deployed an Asynchrone solution to manage heavy automated tasks in a background queue with Messenger from Symfony.
  - A real-time push notification system for eshop subscribed users with the Mercure publish-subscribe protocol

Analyst Developer full stack

Jan 2020 - Feb 2024

 Cegeka - Belgian Federal Institutions Police Justice

- I work as fullstack developer here, responsible for building, deploying and maintaining internal complex big data apps used by 10000+ federal agents.
- Designed and deployed complex online forms for submitting citizen phishing Complaints <https://my.police.be/app/phishing>
- A Cloud Azure app Sso Azure/Saml2 to host all media files and sensitive documents with SSO authentication.
- Writing and applying automated assertion Features tests with PHPUnit and Selenium Browser tests.
- Headed some Agile Ceremonies such as sprint Planning, Daily Standups, Retrospectives, Story Refinement and Release Planning.

Analyst Developer full stack

Nov 2014 - May 2019

 Mobile Trend GmbH, Hamburg, Deutschland

- Web/mobile apps development with Symfony framework
- Install / maintain web servers Debian / Nginx / php-fpm
- Front-end AngularJS, jQuery, Bootstrap, HTML5, CSS3
- MySQL (MariaDB), Redis, NoSQL
- Git versioning

IT Support Analyst


Jul 2005 - May 2013

 Européen Commission and Parliement, Brussels, Strasbourg

- IT Support (ITIL level 1 and 2), Advanced technical troubleshooting and analysis, handling the most difficult problems
- Windows, MS Office, desktop, laptop, iPhone, Teleworking issues
- Uninstalling/reinstalling software applications, verification of proper hardware and software set up

IT Support Analyst

Jan 2001 - Jun 2005

 European Languages and Communication Solutions

## Detailed skills - frontend

- Developing and maintaining front-end screens with UI Web Technologies React, HTML5, JavaScript, AJAX, jQuery, JSON, CSS3, Next.js, REST API, npm, Node.js®, AngularJS, Bootstrap, that follows W3C Web standards.
- Worked with JWT for authentication and authorization security configurations.
- Compiled CSS with preprocessors like LESS and SASS to optimize the cascading stylesheet and allow mix-ins, variables and hierarchical structure in CSS file.
- Writing and using AJAX functions for dynamic Web Pages fetching datas in JSON format via API calls updating the DOM.
- Using JavaScript and jQuery event handlers.
- Strong experience in responsive design using CSS Media Queries, Tailwind and MUI Material breakpoints, optimizing user experience depending on device's media types.
- Developing a responsive web UI for e-commerce website for mobile, tablet and desktop versions based on ReactJS, Next.js
- Worked on to optimize the website pages Using SEO (Search Engine Optimization), title, url's, image tag, speed, keywords.
- Used React JS for templating for faster compilation and developing reusable components.
- Used react components like hooks, etc.
- Writing Restful web services with API access using HTTP get, post, put, delete methods.
- Experience in RESTful web services to integrate between Server side to Client Side.
- Extensively used Git for versioning and regularly pushed the code to GitHub repos.
- Used middleware.js to intercept incoming request and modifying the response by rewriting, redirecting, modifying the request or response headers.
- Used React concepts like Children Pattern, JSX and TSX, Components, Hooks, States, props, Next.js server-side rendering, Virtual DOM, hydration and reconciliation.
- Performed Database operations with Prisma ORM.
- Managed Docker containerization using Kubernetes.
- Used JavaScript coding and concepts like closures, promise, prototypal inheritance modular export/import functions.
- Using the Next.js app router with /app directory.
- Using Next.js asynchronous server actions to handle form submissions and data mutations replacing use of useEffect hook and DV\QF IHWFK API calls (e.g. Axios).
- Using PM2 to deploy Next.js apps on production server Nginx on Debian 11.