

# CALLUM JOSEPH GORDON

## Junior Backend Developer



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Github: <https://github.com/callumgordon90>

Languages: English, French, Spanish, Catalan

### TECHNOLOGIES:

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- Javascript
- Typescript
- Node
- Express
- Bitbucket
- PHP
- Laravel
- Eloquent
- Postman
- Git, Gitflow
- MongoDB
- MySQL
- C#
- .NET
- JQuery
- Mongoose
- Sequelize
- Docker
- AWS
- HTML, CSS

### ABOUT ME:

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*Junior Backend Developer, from Oxford, England, currently living in Valencia, Spain. My training was as a Full Stack Developer, utilizing both frontend and backend technologies. To this end, I have developed several full stack and frontend projects both alone and collaboratively. However I am now looking to specialize in backend development as this is truly what interests me the most.*

*The programming technologies which I am most familiar with are C# (with .NET), PHP (with the Laravel library), Javascript/Typescript (with Node.js) and MySQL. I have experience of working in company on company APIs, ERPs, front end landing pages and backend databases in conjunction with the rest of IT team., and I currently engage in self study around database structures and algorithmic problem solving. Programming is my passion and I am looking for the next challenge to continue to learn and grow!*

### WORK EXPERIENCE:

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#### Junior Backend developer

##### Controliza

*Worked on Server side web development with PHP and Symfony while company ERP underwent a redesign. Project involved working with company ERP and producing web based views for users, along with debugging and error handling. Examples of elements created or fixed include dynamic webpages and components such as logins and verifications, search bars and editable interfaces which insert and update data into a database with php and sql elements.*

##### Technologies used:

*PHP · Symfony · SQL · HTML · CSS · Javascript · JQuery*

#### Junior Backend Developer

##### Grupo Segura

*Worked in conjunction with the rest of the IT team to manage the company databases and APIs which track movements of stock and client and supplier interactions. Day to day role consisted in identifying anomalies and errors within the system and fixing them. I also worked on a project to facilitate communication between third party APIs and the company's own bespoke API using C# and .NET.*

##### Technologies used:

*C# and .NET · SQL and Microsoft Server Management Studio*

## Junior Backend Developer

### Aiudo - Agencia de colocación de trabajadores domésticos

Worked on the company database, API and ERP in conjunction with rest of IT team. Liased regularly with other developers in the IT team to discuss and plan migration of API as well as development of new company ERP. Majority of role day to day consisted in testing functionality of backend with Postman and Mysql and writing and debugging code in PHP and Javascript/Typescript.

#### Responsibilities:

- Development and maintenance of API, Database and ERP.
- Writing clean functional code with REST functionality.
- Fixing and debugging broken endpoints and functions in the code.
- Defining a schema for the relational database and coding these relations out in Typescript and PHP.
- Assisting with the migration from old company API written in Laravel to new API written in Node.
- Testing and querying database with SQL.

#### Technologies used:

PHP and Laravel · Javascript/Typescript · Node.js · MySQL · Node.js · Docker · BitBucket

## PROGRAMMING PROJECTS:

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- **'THE BANKING APP' full stack online banking project with front and back end:**  
<https://github.com/callumgordon90/Bank-API> . Full stack project using NodeJS React/Redux with PostgreSQL relational database. complete with JWT authorization. Fully interactive frontend and backend. Features include:
  - API with JWT authentication with full CRUD functionality
  - User can login, conduct financial transactions, view balance and download printable account history
  - Node.js API and backend relational database (postgresql)
  - Frontend views (created with React/Redux)
- **'THE JOKE VAULT'. A full stack fully functioning social network:**  
<https://github.com/callumgordon90/final-project-front-end>. Full stack project using MERN (MongoDB, Express, React, Node). complete with JWT authorization. Fully interactive frontend and backend. Features include:
  - Users can register, create and edit a profile, login and logout, and post 'jokes' of video and text to the 'vault'.
  - Users can follow and unfollow other users, and can 'like' and comment on their 'jokes'.
  - The home feed presents jokes grouped according to which are 'trending' or suggested by other users.
  - Users can 'like' and comment on other user's comments.
- **A REST API and Relational Database with full CRUD functionality made with PHP and Laravel:**  
[https://github.com/callumgordon90/Laravel\\_Rest\\_API](https://github.com/callumgordon90/Laravel_Rest_API). Backend for a lobby/videogame forum. Includes the following functionality:
  - Users can create parties (groups) for a given video game.
  - Users can search for parties that are indexed by video game title.
  - User login + token + middleware. CRUD of the different models.
- **Social network/forum group project (MERN full stack):**  
[https://github.com/callumgordon90/redsocal\\_frontend](https://github.com/callumgordon90/redsocal_frontend). A social network/forum project done together with two other teammates. We work with git flow and split the tasks between us, some working on the backend and others on the frontend. We use Figma for design and Trello to manage and delegate tasks with SCRUM.
- **'THE FILM RENTAL SERVICE' video club REST API. Made with NodeJs, React and Redux:**  
[https://github.com/callumgordon90/Film\\_Rental\\_Service\\_frontend](https://github.com/callumgordon90/Film_Rental_Service_frontend). This project stands out for being the first project I created using reducers in Redux, and using React hooks to change the states. Also the corresponding backend (made with nodeJS Express Sequelize and MySQL) is here:  
[https://github.com/callumgordon90/Film\\_Rental\\_Service\\_backend](https://github.com/callumgordon90/Film_Rental_Service_backend).

- **'Wibbly Wobbly Worm' / 'Pong'- two Vanilla Javascript video games:**  
<https://github.com/callumgordon90/Wibbly-Wobbly-Worm>, and  
<https://github.com/callumgordon90/Pong-Video-Game>. Two videogame side projects I created in my free time to deepen my understanding of javascript algorithms and functions. Both games are clones of popular atari classics and feature dynamic animations which respond in realtime to tactile, responsive control inputs from the player.
- **'My-To-Do-List': simple Angular application for task management:**  
A front-end project using Angular designed for beginners to manage and organize tasks. The application allows users to add, view, and delete tasks in a user-friendly interface. It demonstrates key Angular concepts such as data binding, component-based architecture, and event handling. The project emphasizes a clean and intuitive design, providing a practical introduction to Angular development.

## EDUCATION AND TRAINING:

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### GeeksHubsAcademy

#### **Full Stack developer Bootcamp**

Intensive course covering front-end and back-end development. Technologies covered in the course: Javascript, NodeJs, Express, MongoDB (Mongoose), React , Redux, MySQL(Sequelize), PHP and Laravel.

### University of Reading

#### **B.A. Philosophy and English Literature (2:1)**

Double degree with the following outstanding achievements:

- University of Reading RED AWARD (award for academic excellence).
- University of Reading Achievement Award (for obtaining exam results that were in the top 1% of all 12,500 students on my academic course during the first year of my degree).

**A levels:** Economics (A \*), Business Studies (A \*), English (A \*), Philosophy (A \*)