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# JOAO BARRERA

## Junior Developer

Authorized to work in the US for any employer.

**Location** Orlando, FL, 34787

Remote work is OK.

**Phone** +1 (818) 488-0996

**Email** joao.victor.lotfi@gmail.com

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## PROFESSIONAL SUMMARY

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Trustworthy, reliable **Web Developer** who has a strong interest in learning new skills quickly and solving problems. Seeking opportunities to apply my **problem-solving capabilities** as a competent worker to contribute to company goals and needs.

3 years of hands-on experience in web development, full websites, dynamic web UI development, and developing apps using top edge technologies, languages, and databases.

Portfolio: <https://joao-barrera.up.railway.app/>

GitHub: <https://github.com/joaovictorbarrera>

LinkedIn: <https://www.linkedin.com/in/joao-barrera/>

Email is my best form of contact.

## EDUCATION

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Valencia College – Orlando, FL

### Computer Programming and Analysis

Associate in science (A.S.)

(Currently enrolled in Bachelor's program)

Languages: **English, Portuguese**

## TECHNICAL SKILLS

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- **Expertise:** Node.js, React.js, Typescript, Java, Python, GIT, PHP, Visual Studio Code.
- **Back-end development:** Node.js, Next.js, Express.js, Flask, PHP, WAMP.
- **Front-end development:** React.js, TypeScript, Tailwind, Next.js, AJAX, JSON, Bootstrap, Web Forms with CRM software (ActiveCampaign, Keap), CMS (WordPress), jQuery, demonstrated ability to write standards-based HTML, CSS and JavaScript.
- **Data Science and Analysis:** Python, Pandas, SciPy, Matplotlib, Plotly.
- **API:** REST, JSON, XML.
- **Database:** SQL language, MySQL, MongoDB.
- **Software Development:** Design Principles, Strong Typing, OOP (Object-Oriented Programming).
- **Versioning Control Systems:** GIT, GitHub.
- **Process:** Agile / Scrum, Trello, Jira.

## RELEVANT WORK EXPERIENCE

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Mar 2022 – Jan 2023

### Junior Web Developer

GetUWired – REMOTE

- Slicing web pages from PSD files using HTML, CSS, and JavaScript.
  - Utilizing PHP to manage and create multi-page websites using WordPress as a CMS framework.
  - Creating and maintaining web forms in connection to automation with CRM Software such as Keap and ActiveCampaign.
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## PERSONAL PROJECTS

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Live at: <https://joao-barrera.up.railway.app/>

Source Code at: <https://github.com/joaovictorbarrera>

- **React Shopping Cart:** Designed and implemented a fake store with a shopping cart using React.js and Node.js express.js server.  
[\[https://bit.ly/3RWmCQs\]](https://bit.ly/3RWmCQs)
- **Barrera Wordle Bot:** Created a Wordle Game Discord Bot using Discord API and Node.js.  
[\[https://bit.ly/3AZlqUo\]](https://bit.ly/3AZlqUo)
- **Providers App:** Built a web application to analyze, organize and generate graphs on company service providers data using Python libraries such as Pandas, Plotly, and Flask.  
[\[https://bit.ly/3L6Z9dd\]](https://bit.ly/3L6Z9dd)
- **Quick Sort Visualizer:** Implemented an interactive application to visualize the process of sorting a list of numbers with the quicksort algorithm with Typescript React.  
[\[https://bit.ly/3GbwNMz\]](https://bit.ly/3GbwNMz)
- **Memorable [WIP, in Development]:** Developing social media app similar to Instagram. Contains features like login, creating your own profile, following other people, and creating posts. Made with Typescript React.js/Express.js/MongoDB.  
[\[https://bit.ly/3fC876n\]](https://bit.ly/3fC876n)
- **Login Page:** Developed a login-protected page with advanced client and server input validation, specific validation error messages, and cookie authentication. Made with EJS Templates/Express.js/MongoDB.  
[\[https://bit.ly/3VBtJz6\]](https://bit.ly/3VBtJz6)

## CERTIFICATIONS AND COURSES

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- **IBM Data Science Professional Certificate:** Python programming, data analysis, Pandas, NumPy, SciPy, data exploring, matplotlib, data visualization, dashboards, Plotly, and machine learning.
- **Princeton Algorithms I & II:** Data structures and Algorithms course in Java. Covers content from queues, stacks, sorting, BSTs, hash-maps, hash-sets to graphs, shortest paths, regular expressions and data compression.
- **Freecodecamp JavaScript Algorithms and Data Structures:** JavaScript fundamentals including variables, arrays, objects, loops, functions, functional programming, object-oriented programming, and string manipulation.
- **AP Computer Science A:** Year-long Java Course. Covers all the fundamentals of development in a type-safe language, good practices, and Object-Oriented Programming in Java across a variety of creative projects.
- **AP Computer Science Principles:** Year-long computer science class. Introduced me to many computer science concepts such as Big Data, how the internet works and networks, coding with JavaScript, the impact of computing and innovations, security and encryption, and computational problems.

## COURSEWORK

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### Data Science Specialization:

- Built a multigraph responsive dashboard with Dash/Plotly for the US Domestic Airline Flights Performance data. [<https://bit.ly/3xeZxR6>]
- Completed the capstone project, which involved full data collection, exploration, and machine learning model implementation to predict the outcome of SpaceX's rocket landing process. [<https://bit.ly/3L38ym1>]

### AP CS A [<https://bit.ly/3UcTxIM>]:

- Coded a Java version of Excel using Object-Oriented Programming.
- Coded a fraction calculator with support for operator and parentheses precedence in Java.
- Coded a basic spell checker with a suggestion algorithm in Java.