

# Gonzalo Trivelli

## FULL STACK SOFTWARE ENGINEER

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Software Engineer with 3+ years of experience with expertise in a wide range of backend, frontend, and DevOps technology.

## Experience

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### Product Software Engineer | Wolters Kluwer (acquired NurseTim)

Jan 2023 - Present

- Engineered a **Node** batch process leveraging multiple **AWS** services (**RDS**, **Lambda**, **DynamoDB**, **S3**, **IAM**), synchronizing data with the company's largest client, along with integrating comprehensive unit testing to ensure system robustness
- Managed and executed the migration of key applications from **DigitalOcean** to **AWS** infrastructure, enabling a smooth transition and minimal system downtime
- Developed core quiz, user, and session **API** endpoints, instrumental in seamlessly integrating NurseTim's products into Wolters Kluwer systems
- Mentored a junior developer in best practices within backend development, successfully transferring skills while reinforcing own knowledge

### Software Engineer | NurseTim

Nov 2021 – Jan 2023

- Designed and implemented a synchronization system between **Shopify** and **QuickBooks**, automating order processing and reducing manual processes, leading to reduced room for human error
- Revitalized an outdated checkout flow by creating a fully customized Shopify online store, delivering an improved, clean user experience
- Spearheaded the modernization of the NurseThink platform, transitioning it to Laravel and adapting it to an **MVC** architecture, resulting in enhanced efficiency and maintainability
- Set up an automated deployment pipeline using **Docker** and **GitHub Actions**, streamlining the deployment process and improving release efficiency
- Overhauled the existing FAQ system, modernizing both back-end and front-end components, which eliminated extra hosting expenses

### Junior Developer | Misbar

Apr 2021 – Oct 2021

- Reformatted the article caching system to be dynamic, boosting page performance by 25%
- Built a range of modular components, including a sophisticated profanity filter, interactive Livewire modals, and versatile **APIs** for easier maintenance, scalability, and integration with other systems
- Developed **microservices** tailored to team specifications, playing a key role in accelerating the front-end redesign project to enhance the website's functionality and user interface
- Adhering to **Agile** methodologies, worked within a small international team honing skills in collaboration, adaptability, and iterative development in a culturally diverse environment
- Provided support and insight to other developers by pinpointing and addressing bottlenecks in the development process to boost overall team productivity and optimize website efficiency

## Projects

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## Kaggle Data Science Bowl

*Entered a machine learning competition that would process childrens' PBS Kids in-game assessments to improve how they can best learn from educational media*

- Engineered a machine learning model dedicated to processing children's in-game assessments, adeptly filtering out irrelevant data and incorporated a developed "best fit" algorithm
- Model predicted future assessment scores, providing insights into individual learning patterns and potential areas for improvement in educational content
- Analyzed complex, real-world big data, requiring critical thinking and the use of efficient algorithms to effectively process and interpret vast datasets

## Generative AI Text Game

*Created a basic and interactive text-based adventure game as a proof of concept*

- Leveraged Google's Gemini model to build a generative story that evolves based off user input

## Education/Certifications

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George Mason University – B.S. in Computer Science

Aug 2015 - Dec 2019

Coursera – AWS Cloud Technical Essentials

March 2023

## Skills & abilities

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- **Languages:** PHP, JavaScript, TypeScript, Java, Python, SQL, HTML/CSS
- **Technologies:** AWS, SQL, Laravel, Vue, Docker, MySQL, NoSQL, Node.JS, GraphQL, DigitalOcean, Jira, Chai, LocalStack, Tailwind, Angular, NGINX, Redis
- **Other:** Git, APIs, OAuth, Webhooks, Unit Testing, Agile, Linux, Machine Learning, OOP, AI