

# Alan Gwynn

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*A full-stack developer with over 4 YOE in the development of web and mobile applications. I have extensive knowledge of various technologies, such as Flutter, Angular, React and NodeJS. With 4 YOE as a software engineer, one of the key areas of my expertise is the construction of efficient microservices, delivering high quality and scalable solutions. I am highly interested in learning and implementing new cutting-edge technologies, so I work on my computer science skills studying the latest technologies.*

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## PROFESSIONAL EXPERIENCE

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### ITTI Digital

Mid-Level Software Engineer

Asunción, Paraguay

August 2023–Present

- I lead the front-end team of the card product of the number 1 bank in my country.
- Contributed to the creation of a design system for the entire development team made up of more than 100 developers to accelerate product delivery.
- Led the development front-end team for the card product (credit and debit) ensuring clean code for the entire product.
- The acquisition of the card product has increased by more than 60% since the beginning of the project until now, thus also increasing the transactions carried out with said product by more than 70%.
- Contributed to the creation of scalable APIs for the front-end team using **NodeJS** with **Express** along with Null Platform to improve the CI/CD process.

**Tech Stack:** Flutter, NodeJS, Express, Java and Git.

### N.T.S.

FullStack Developer

Asunción, Paraguay

August 2022–August 2023

- Implemented the Fundapp application to register all cattle in the country, tracking their status for export eligibility, using **Flutter** and **Java** with **Spring Boot**.
- Implemented the Fundapp dashboard, where all the data loaded into the Fundapp application is recorded, such as geographic location, type of meat, status, etc. This system was implemented using **Angular**, **Java** with **Spring Boot** and **PostgreSQL**.
- Integrated **Docker** to optimize the CI/CD pipelines in the Fundapp dashboard project, improving build efficiency and streamlining the deployment process.
- Implemented the SIVO application along with its dashboard, an application similar to Fundapp but this one is used once the animal has already been processed. The application was made with **Flutter** and **Java** with **Spring Boot**, and the dashboard in **Angular**, **Java** with **Spring Boot** and **PostgreSQL**.
- Clean architecture implemented in both applications to ensure scalable and maintainable code, improving the development cycle and test integration.
- Implemented microservices in python for the massive user population for both applications.

**Tech Stack:** Flutter, Angular, HTML, CSS, Python, Java Spring Boot, PostgreSQL, Oracle and Docker.

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**MuTech S.R.L.**  
FullStack Developer

**Asunción, Paraguay**  
May 2021–August 2022

- Reengineered the entire Vaquita application, moving it from **Ionic** with **Angular** to **Flutter**, improving the application's performance by 80%.
- Designed and implemented the Vaquita application, a fintech app that serves as an electronic wallet with more than 100k users using **Flutter** and **NodeJS** with **NestJS**.
- I designed the Vaquita website to gain greater visibility for the product using **ReactJS** and **NodeJS** with **NestJS**.
- Multiple third-party systems were integrated into the Vaquita application, increasing revenue by more than 25%.
- I significantly improved queries performed in the backend, reducing query times by an average of 40%.

**Tech Stack:** Ionic Angular, Flutter, NestJS and PostgreSQL.

## PROJECTS

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**Pneumonia Detection:** This project is my thesis, it allows doctors to scan chest x-rays and detect pneumonia in patients by storing all the necessary data.

## EDUCATION

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**UNIVERSIDAD AMERICANA**  
Computer Engineering  
Honors: Honors for high GPA

**Asunción, Paraguay**  
May 2019-September 2024

## ADDITIONAL SKILLS

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**Programming languages:** Advanced: Dart, Javascript/Typescript, SQL; Intermediate: Python, PHP, CSS. Basic: C#.

**Framework tools:** Advanced: Flutter, React, Angular (12 to 17), Spring Boot; Intermediate: NestJS, Flask, Express; Basic: .NET.

**Database:** PostgreSQL, MySQL, Oracle, MongoDB and Redis.

**Tools:** Git, Github, Bitbucket, Slack, Jira, Teams, Heroku, Netlify, Postman, Swagger.

**Agile:** Scrum, TDD, DDD, BDD, CI/CD, DevOps.

**Languages:** English: Advanced B2; Spanish: Native.