GIOVANI FERRARO TRIVELLI
Information Systems Engineer

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PROFILE

I am an Information Systems Engineer specialized in Full Stack Development, with solid experience in web, API, and microservices engineering. I have led and contributed to the modernization of mission-critical platforms, collaborating with cross-functional teams to deliver reliable and scalable solutions. Passionate about new technologies, I apply best practices to ensure quality and consistently contribute to team success.

SKILLS & TECHNOLOGIES

- **Programming Languages**: JavaScript, Java, Go, Python, TypeScript. HTML, CSS, SQL.
- **Databases**: MySQL, MariaDB, PostgreSQL, Oracle Database, ClickHouse, MongoDB, Redis, Elasticsearch, OpenSearch, Firebase Database.
- **Frameworks & Libraries**: Angular 2+, Spring Boot, React, Node.js, Next.js, Django, Fiber, Angular Material, Hibernate, JPA, Bootstrap, Materialize, Bulma, Tailwind CSS, Semantic UI.
- **Cloud Computing Services**: AWS, DigitalOcean, Google Cloud Platform, Firebase.
- **Tools**: Kubernetes, Docker, Git, RabbitMQ, Apache Kafka, Keycloak, Eureka, Prometheus, Grafana, Nginx, Hazelcast, OpenAI.

PROFESSIONAL EXPERIENCE

HARMONYADS   **Uruguay (Remote)**
Backend Developer & DevOps   **2023-present**

- Owned the full lifecycle (development, testing, and maintenance) of the principal OpenRTB 2.5/2.6 bidder microservice, the backbone of the business, using Java, Apache Kafka/AWS MSK, Elasticsearch/OpenSearch, Redis, PostgreSQL, Hazelcast.
- Built and maintained microservices for geolocation, data collection, user audiences, and APIs with Python (Django), Java (Spring Boot), and Go.
- Managed Kubernetes deployments, CI/CD pipelines, and documentation for microservices.
- Implemented AI-powered features in selected microservices to enhance automation and data-driven decision-making.
- Participated in technical audits and ensured compliance with best practices.
- Oversaw infrastructure scaling, provisioning new nodes, load balancers, and resources as needed to maintain high availability.

SENATE OF SANTA FE PROVINCE   **Santa Fe, Argentina**
Full Stack Developer & DevOps   **2021-2023**

- Led the migration of the back-office platform—the core system used across all areas—to a modern architecture (Angular 11+ and Spring Boot), with Docker/Kubernetes deployment and enhanced monitoring via Grafana, Prometheus, and Spring Cloud Gateway. After the migration phase, I specialized in frontend development to optimize user experience.
- Designed and implemented CI/CD pipelines for multiple projects, automating microservice deployment and ensuring reliable delivery.
- Defined development standards and documentation, advised on best practices for Java/Angular, designed UIs with Angular Material, and integrated Keycloak for secure SSO.
- Acted as a consultant and technical advisor, evaluating new ideas, recommending best approaches, and guiding the team whenever they faced technical challenges or uncertainties.

- Initiated and developed the "Recinto Digital" project, a system to digitize legislative sessions, enabling senators to log in, vote, and review projects directly from their seats. While not implemented in the Senate chamber, the platform was successfully adopted for the Santa Fe Constitutional Reform, where it was used by all legislators, received public recognition, and was featured in the news.

GOLDRISER B&F SRL (FREELANCE)   **Santa Fe, Argentina**
Full Stack Developer   **2022**
- Built WebExtensions to automate interactions with specific websites and streamline complex tasks.
- Developed a dashboard frontend for visualizing scraped data.
- Created a desktop application in Python (PyQt) to process Excel spreadsheets and display aggregated results.

VOLUNTEER EXPERIENCES

NOSTALGIA GAMERS   **Argentina (Remote)**
Full Stack Developer, Project Manager & Technical Leader   **2014-present**
- Maintained and extended an Invision Community website, developing custom plugins/apps in PHP and integrating Mercado Pago, PayPal, and Coinbase APIs.
- Developed administrative tools for premium users, maintained Linux servers and Docker containers, and created game server plugins.
- Acted as Project Manager and Technical Lead, organizing the team, leading weekly meetings, setting coding standards, and overseeing performance monitoring and code reviews.

FANDOM INC.   **United States (Remote)**
Helper & Wiki Administrator   **2008-2016**
- Designed and customized wiki main pages and interfaces using wikicode, CSS, and JavaScript, creating unique experiences tailored to each community's topic.
- Enhanced functionality by developing custom JavaScript features and refining existing Fandom tools.
- Coordinated with other Wiki Administrators, organizing meetings, addressing requests, and ensuring consistent quality and usability across multiple projects.

EDUCATION

NATIONAL TECHNOLOGICAL UNIVERSITY (UTN)   **Santa Fe, Argentina**
Information Systems Engineering   **2017-2025 (Graduated)**

CERTIFICATIONS

MERCADO PAGO CERTIFIED DEVELOPER FOR ONLINE PAYMENTS CHECKOUT PRO
Mercado Libre - Santa Fe, Argentina.

ARTIFICIAL INTELLIGENCE CONFERENCE
IA@Litoral – Santa Fe, Argentina

BLOCKCHAIN TECHNOLOGY INTRODUCTION
A.G.C. - Santa Fe, Argentina