EMILIANO GANDINI OUTEDA

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SUMMARY

Experienced software developer specializing in full-stack web development with expertise in frontend technologies such as JavaScript, HTML5, CSS3, Tailwind CSS, and Alpine.js. Skilled in backend development using Python, FastAPI, and pandas for building RESTful APIs and data tools. Proficient in database management with PostgreSQL and SQL, including schema design and query optimization. Knowledgeable in SDLC, Git, and agile methodologies. Experienced in implementing secure authentication and authorization systems.

SKILLS

- Full-stack web development
- Frontend: JavaScript, HTML5, CSS3, Tailwind CSS, Alpine.js
- Backend: Python, FastAPI, pandas
- Database: PostgreSQL, SQL, schema design
- RESTful API development
- Data analysis, transformation, and reporting
- SDLC, Git, Agile methodologies
- Authentication and authorization systems

EDUCATION

Expected in Dec 2030

Bachelor's Degree in Engineering – Computer Science

Universidad de la República

Dec 2024

General Baccalaureate – Mathematics and Physics-Chemistry

Lycée Français Jules Supervielle

Jul 2022

HTML, CSS, and JavaScript for Web Development

Johns Hopkins University

EXPERIENCE

Founder – EGOS (Eclipse Growth Optimization Services)
May 2025 – Present | Montevideo, Uruguay

As the founder of EGOS, I lead the development of software solutions focused on growth optimization and community collaboration. I have designed and implemented scalable, data-driven applications using modern web technologies and databases. My work includes building full-stack web applications with RESTful APIs, designing efficient database schemas, and creating user-friendly interfaces. Additionally, I have developed modular automation tools to improve productivity and communication within developer communities, integrating external APIs and ensuring robust security and access control.

InsightGrid

- Developed a full-stack web application using Python and FastAPI for backend services and PostgreSQL for data storage.
- Designed and optimized relational database schemas to support complex data queries and reporting.
- Created RESTful API endpoints for efficient data ingestion, processing, and retrieval.
- Built frontend interfaces with HTML5, CSS3, JavaScript, Tailwind CSS, and Alpine.js, ensuring responsive design across devices.
- Utilized pandas to perform data transformation, cleaning, and reporting for actionable business insights.
- Implemented error handling and logging to ensure application stability and maintainability.

devBot

- Designed and implemented an open-source modular Discord bot using JavaScript and relevant Discord APIs.
- Integrated GitHub APIs for automated issue tracking, notifications, and repository management within Discord channels.
- Developed ticketing and workflow automation features to streamline community support and task management.
- Built scheduling and discussion moderation tools to facilitate organized communication.
- Applied role-based access control to manage user permissions securely.

OPEN SOURCE CONTRIBUTIONS

BenavLabs – FastAPI-Boilerplate (2025)

Contributor – Documentation Improvements [PR #199](#) *(merged)*

- Improved dependency examples (`Depends` , `Annotated`), CRUD patterns, and Redis caching.
- Added full examples for rate limiting, background tasks, pagination, and exception handling following Pydantic v2 standards.
- Standardized code snippets, imports, and documentation navigation for clarity and consistency.

LibreCourse (2025) – **Repository**

Creator & Lead Developer

- Developed **LibreCourse**, a modular online learning platform for interactive courses.
- Built full-stack functionality using Django 5 (Python 3.12) for backend, PostgreSQL 17 for database, TailwindCSS 4 and Alpine.js 3 for frontend.
- Implemented modular architecture with separate apps for users and courses, featuring role-based access control, multi-user editing, course CRUD, lessons in Markdown, tagging, and search functionality.
- Automated environment setup and optimized static assets for efficient development workflows.

LANGUAGES

Spanish: Native   **English:** Proficient (C2)   **French:** Proficient (C2)