Gastón Gaitan

Backend Developer

Contact:

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Portfolio / Blog:

https://www.ggtech.blog

Profile Overview:

4+ years in technological roles, with extensive experience in Python, Node.js, AI, LLMs, SQL, AWS, Linux, and Java, among others. Team player with a professional level of English, focused on identifying patterns and designing robust solutions that add value to the organization.

Location:

Buenos Aires, Argentina.

GitHub:

https://github.com/GastonGaitan

Stack Overflow:

https://stackoverflow.com/users/19986581/gast%c3%b3n-gaitan

Youtube:

https://www.youtube.com/@gaston.gaitan

Work Experience:

Python / Node JS AWS Backend Developer. | Trinetix. | Apr 2025 – Present.

- Successfully delivered and deployed into production a chatbot that answers from internal knowledge via RAG embedding user queries, searching Snowflake vector tables, applying permission filters, and augmenting prompts with retrieved chunks before calling the AWS Bedrock LLM.
- Refactored enterprise authentication system integrating Snowflake, AWS Lambda, and Azure AD, automating user lifecycle management and achieving zero-downtime migration for 500+ users.
- Align Angular frontend API requests with the corresponding data.
- Collaborated with UI/UX designers to enhance the user experience.
- Collaborated with Front End and DevOps team daily.
- Use AWS LocalStack to test local DynamoDB infrastructure.
- Collaborated in a multicultural environment where I use English daily to communicate with teammates.
- Improve application performance using Python Concurrency modules.
- Created python scripts to migrate old data and adapt it to the new application structure.
- English speaking daily.
- Lead Python 2.7 to Python 3.9 web app migration.
- Connect Fast API with SQL and Vector databases in Snowflake platform.
- Implemented Fast API WebSocket functionalities.
- Manipulate CICD workflows on GitHub actions.
- Led client-facing calls to explain system functionality and architecture, address inquiries, and resolve issues during application failures.
- Dynamo DB database integration on Python Fast API backend.
- Manage and created permission system to restrict platform access to users depending on their permissions provided by admin users.
- Developed and maintained RESTful endpoints using NestJS for entity management and business logic.
- Implemented JWT-based authentication and authorization to control and secure user access.
- Built and managed WebSocket integrations for real-time client updates.
- Integrated Supabase event triggers with WebSockets to send real-time notifications based on database changes.

Python AWS Backend Developer. | Bitbug. | Mar 2024 – Apr 2025.

- Created a back-end application integrating WordPress API, Python, Flask, MySQL, AWS Cloud, and Artificial Intelligence (GPT Chat API and Python SDK). I researched and learned how to apply the Chat GPT API on AWS services like Elastic Beanstalk and Lambda.
- Build backend services from scratch into production.
- I followed Scrum methodologies, maintained communication and updates within a multidisciplinary team, and communicating in English daily.
- Managed AWS services such as Lambda, Elastic Beanstalk, EC2, Load Balancers, DNS, Route 53 and SQS, among others. I developed APIs and worked on PHP development and extensions for WordPress.
- Implemented artificial intelligence solutions with Python, specifically using the GPT and Gemini Chat APIs.
- I collaborated with colleagues on GitHub, facilitating teamwork and code integration.
- Created XLS processing system integrating and Lambdas implementing Pandas library.
- Developed chatbots integrating payment APIs, Flask, FastAPI, Open AI API, WhatsApp API, Mercado Pago API, NextJS, MongoDB, GraphQL and TypeScript.
- Node JS / Express endpoint backend development.
- Applied JSON Web Token to set user permission accesses.
- Database development.

Web Scraper. | Rank Genius. | Mar 2024.

- Freelance job where I scraped a Real Estate Company Data. I implemented Python, Pandas, and Selenium web driver to complete the task.

Support L3 Software Engineer. | Amdocs. | May 2023 - Mar 2024.

- Assisted front-end applications in maintaining their integrity with back-end applications that contained sensitive information about customers and the billing system.
- Advanced knowledge in SQL, Java, back-end, APIs, Unix/Linux, Full Stack, CRM, transaction systems, business logic and English, among others, was required to collaborate in the maintenance of the system.
- English speaking daily.
- Created Python scripts in Unix servers to automate daily SQL workarounds to clean data.
- Read logs from Unix servers to find root cause from issues raised by client.
- Lead meetings with different teams to communicate current database state.

Semi Senior Localization Engineer. | TransPerfect. | Oct 2021 – May 2023.

- Prepare files containing code so that translators could translate them without requiring technical knowledge.
- Additionally, I automated part of my daily tasks by combining Python, Excel, and batch programming.
- Everything I learned in this position was taught in English, as I was the only person working for the New York office from Argentina.
- I had to understand API requirements to prep Excel files to be sent to the technical team so that the data could be adjusted to the backend.
- The company had a Machine Translation API where I had to interact via HTTP to modify its data depending on the client's requirements.
- Apply regular expressions on files to separate translation and logical content.
- Manipulate Python, C#, Java, JSON and XML files depending on client's requirements.
- Led meeting with non-technical team members to explain to them the project requirements.
- Use Streamlit to generate interface reports from Python data processing automations.
- Integrate and manipulate translation API.

Knowledge and skills:

Python. | HTML. | CSS. | Bootstrap. | JavaScript. | XML. | C. | Microsoft Outlook. | Excel. | Regular Expressions. | Notepad++. | CMD commands | Bash – PowerShell. | JIRA Project Tracker. | SQL. | NoSQL. | Relational database design. | PostgreSQL. | Batch Programming. | Django and Flask. | Selenium. | Pandas. | Amazon Web Services. | Docker. | GitHub. | Linux. | Unix. | VPS Hosting Servers. | SCRUM. | Oracle database. | APIs. | Java. | Object Oriented Programming. | JSON. | Microservices. | MongoDB. | ETL. | Networking. | Spring. | Jenkins. | React. | Pandas library. | AWS (SQS, Lambda, Elastic Beanstalk, Load Balancers, SQS, S3, Ec2, Route 53, among others). | SDKs. | API Development. | PHP. | WordPress. | Scrum methodologies. | Putty / SSH. | Artificial Intelligence. | OpenAI and Gemini APIs. | Microservices architecture. | Postman. | AWS Step Functions. | WhatsApp API. | Chatbot development and implementation. | GitHub Actions. | Strapi. | LangChain. | TypeScript. | NextJS. | Generative AI. | FastAPI. | Flutter. | C#. | .NET Framework. | REST Architecture. | Mercado Pago API. | Node JS. | Express. | Voiceflow. | JWT (Json web token). | Cookies. | Firebase. | SOLID Principles. | LocalStack. | OpenCV. | Streamlit. | Vector Databases. | Data Migration. | Snowflake. | WebSockets. | ECR, ECS, Fargate.

Soft skills:

Proactivity. | High tolerance to frustration. | Teamwork. | Teaching.

<u>Certifications:</u>

AWS Cloud Practitioner. | Amazon Web Services.
Python Programming. | Educación IT.
Deploy a Serverless Django web app with AWS Fargate. | Udemy.
Python Backend Bootcamp. | Código Facilito.
VPS Hosting. | Udemy.
ChatGPT Complete Guide: Learn Midjourney, ChatGPT 4 & more. | Udemy.
AWS Step Functions Guide - Workflow Automation. | Udemy.
Front End Development. | Fundación Telefónica.

<u>Education:</u>

2021 – 2024 (**Paused**). | Bachelor of Information Technology. | Engineering Department of the University of Palermo.