

Juanjo López

📍 Salamanca, Spain ✉ juanjo.lopez.gomez.19@gmail.com ☎ 638-41-35-94 📁 Portfolio
in juanjolopezgomez 🌐 juanjoLopez19

About Me

Highly motivated Computer Science Engineer with expertise in backend development using Node.js and Python. Passionate about technology with a proven ability to adapt quickly to new frameworks and languages. Strong collaborative mindset and problem-solving skills demonstrated through professional experience at Bisite Research Group. Committed to continuous learning and technical excellence, with particular focus on scalable server architectures, database design, and API development. I thrive in environments that present new technical challenges and opportunities for professional growth.

Technologies

Languages: TypeScript, JavaScript, Python, Bash

Technologies

- **Backend:** Node.js, ExpressJS, NestJS, Flask, FastAPI, Django, Selenium
- **Frontend:** Angular, Vue, React
- **Cloud:** AWS
- **Databases:** Postgres, Redis, Mongo, ElasticSearch
- **ORM:** Sequelize, Prisma, SQLAlchemy
- **Tools:** Git, Docker

Experience

Senior Software Engineer

Bisite Research Group

Salamanca, ES

Jan 2023 – Present

- Led backend development for an Ecommerce platform [Marketplace](#) , improving load times and data consistency
 - Stack: TypeScript, Node.js, Express.js, Sequelize, PostgreSQL, ElasticSearch
- Built core APIs for a job search portal [Jobs](#)  used by thousands of users
 - Stack: Same as above
- Developed scalable backend for an AI-powered HR platform [HRP](#)  with real-time capabilities
 - Stack: TypeScript, Node.js, Redis, Socket.io, Flask, Celery, MongoDB, RabbitMQ, WebRTC
- Designed complex data models and implemented ORM-based solutions
- Managed server deployment and infrastructure configurations
- Built CI/CD pipelines using **Docker** and **GitHub Actions**

Junior Software Engineer

Bisite Research Group

Salamanca, ES

Oct 2021 – Dec 2022

- Maintained and improved a digital newspaper CMS
 - Stack: PHP, CodeIgniter, MySQL
- Automated web scraping of pollution open data from Spanish regional sources
 - Stack: Python, Selenium, SQLAlchemy
- Developed web app for real-time energy resource monitoring
 - Stack: Angular

Education

University of Salamanca

Master's in Intelligent Systems

Sept 2023 – Jun 2024

- **Coursework:** Robotics, Artificial Intelligence, Research Methodology

University of Salamanca

B.Sc. in Computer Science

Sept 2019 – Jun 2023

- **Coursework:** Algorithms, Operating Systems, Databases, Networking, Software Engineering

Projects

AutomatAPI

[AutomatAPI](#) 

- Built a tool to automate the creation of REST APIs in frameworks like Express.js, Flask, and Django
- Enabled rapid API deployment via web interface for developers
- Stack:
 - **Frontend:** Angular, Bootstrap, Material, PrimeNG
 - **Backend:** Node.js, Express.js, Flask, Cookiecutter
 - **Databases:** PostgreSQL, MongoDB
 - **Cloud:** AWS (S3, CloudFront)

MercaSaver

[MercaSaver](#) 

- Built a tool that track the expenses from the supermarket brand "Mercadona"
- Automation of the tickets with a IMAP Client that check for them and trigger the Lambda Function whenever a ticket is uploaded to S3
- Used Serverless Development using AWS and Vercel tools
- Stack:
 - **Backend:** FastAPI
 - **Databases:** Postgres (NeonDB)
 - **Cloud:** AWS (S3, AWSLambda, DynamoDB)