

Iván David Gómez Silva

Frontend & Backend Developer | UI/UX Designer | AWS Practitioner

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Education

Universidad de los Andes, Colombia

Bachelor's Student in Engineering (Electrical and Computer Engineering focus)

Expected Graduation: 2028

Profile

Multidisciplinary developer and designer with a strong foundation in full-stack development, cloud deployment, and UI/UX design. Experienced building scalable web applications and deploying them on AWS. Passionate about bridging code and creativity, and delivering robust, clean, and user-friendly solutions.

Skills

Frontend:

HTML, CSS, JavaScript, TypeScript, React, Figma, Illustrator, After Effects

Backend:

Node.js, Express.js, Flask, PostgreSQL, RESTful APIs, Authentication & Authorization

DevOps & Cloud:

AWS (EC2, S3, IAM, Route 53), Docker, Deployment Pipelines, Domain & DNS configuration

UI/UX:

Wireframing, Prototyping, Responsive Design, Accessibility, User Testing

Programming & Tools:

Git & GitHub, Java, Python, PyTorch, Git CLI, Terminal, VS Code

Projects

1. Bookstore Web App

A full-stack application to sell and buy used books.

- Frontend with React + TypeScript + DaisyUI

- Backend with Node.js + Express + PostgreSQL
- File uploads with AWS S3, authentication and session management
- Rate limiting with Upstash Redis
- REST API deployed on AWS EC2, frontend on S3 with custom domain

2. Federation Volleyball Website

Developed the official frontend site for Colombia's National Volleyball Federation.

- HTML, CSS, JavaScript and React only
- Designed, prototyped and deployed by myself
- Lightweight and fully responsive

3. Robotics Projects

Involved in robotics since age 10 through school clubs and competitions.

- Arduino-based automation and IoT prototypes
- Ongoing development of intelligent robotic systems

4. AI and Machine Learning

- Learning with PyTorch
- Interested in reinforcement learning, robotics and neuro-AI
- Working on personal LLM-based chemistry assistant idea

Soft skills

- Fluent in Spanish, advanced English and learning German

Personal Highlights

- Built and deployed multiple web applications independently
- Combines technical skill with visual design and social impact
- Actively learning AWS, Java, Deep Learning, and Electronics

References and portfolio available upon request.