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Skills

- **Programming Languages:** Python, Go, Rust, Bash, TypeScript, C, SQL, CSS, HTML, Arduino
- **Frameworks & Tools:** Linux, Docker, Kubernetes, Gitlab CI/CD, Github Actions, AWS, Git, PostgreSQL, Svelte, TailwindCSS, Notion, Splunk
- **Soft Skills:** Problem-solving, Technical Communication, Teamwork & Collaboration, Attention to Detail, Adaptability
- **Languages:** Spanish (Native), English (C2 Proficient)

Summary

Versatile Software Engineer with over 4 years of experience delivering high-quality, scalable solutions. Combines deep technical expertise in backend development, CI/CD, and cloud infrastructure with a proven ability to translate complex business requirements into successful products. Excels in cross-functional team collaboration and is committed to continuous learning and engineering excellence.

Experience

Software Engineer — **EPAM** — **Dec 2023 - Present**
- Engineered and maintained robust CI/CD pipelines using Gitlab CI/CD and Github Actions, supporting 200+ engineers.
- Worked on the seamless migration of 60+ critical CI/CD pipelines from GitLab to GitHub Actions.
- Developed a command-line interface and SDK in Go to streamline developer interaction with an internal service.
- Implemented a novel solution for translating Teradata queries to Google Cloud Platform (GCP) compatible formats using the GPT-4o API.
- Architected and developed a backend service for the validation and translation of Google Cloud Platform (GCP) Vertex AI pipelines.

Full Stack Software Engineer — **Vertical tech S.A.S** — **Apr 2021 - Dec 2023**
- Led the full-cycle design, architecture, and development of over 50 new features.
- Optimized backend response times by 40% by restructuring complex Django ORM queries and implementing database indexing strategies.
- Designed and implemented a sophisticated parsing system with a custom Domain-Specific Language (DSL) to transform unstructured text into structured, actionable data.
- Developed automated scripts for deployment and data processing, saving over 5 hours of manual work per week.
- Presented technical designs and feature proposals to over 20 key business stakeholders, ensuring alignment between engineering efforts and business objectives.
- Championed code quality by participating in over 15 weekly code reviews, fostering a culture of high standards and system efficiency.

Software Engineering Tutor — **Universidad Nacional de Colombia** — **Oct 2019 - Jan 2021**
- Taught and mentored over 150 university students on the fundamentals of Linux, Networking, and Operating Systems.
- Created automated grading scripts in Bash and Python, reducing the time spent on evaluations and ensuring consistent, unbiased feedback.

Projects

Low-Level Keyboard Remapping Tool for Linux — github.com/DavRack/skr
- An open-source, low-level Linux utility, rewritten in Rust from C/Python, to intercept and remap keyboard events system-wide.
- Utilizes `libevdev` for direct event handling and integrates with other Linux programs via POSIX pipes for advanced user customization.

Syntax-Aware Code Searcher — github.com/DavRack/scf
- A high-performance, open-source command-line tool written in Rust for context-aware code searching.
- Leverages Tree-sitter for precise AST parsing, enabling developers to find code snippets based on their syntactic role rather than just text matching.

Education

B.Eng., Systems and Computer Engineering — **Universidad Nacional de Colombia** — **Feb 2016 - Apr 2023**

Certifications

- EF SET English Certificate 80/100 (C2 Proficient)
- English for Developers