CRISTIAN ALEXANDER BEDOYA MARÍN

Cali, Colombia | +57 3171084060 | cristianbedoyadev@gmail.com

LinkedIn: https://linkedin.com/in/cristian-alexander-bedoya-marin-ba1306277

GitHub: https://github.com/cristianbedoya64

Portfolio: https://cristianbedoya64.github.io/portafolio-web

Jr Full-Stack Developer / Jr Prompt Engineer

I accelerate development by leveraging AI copilots, without compromising software quality—thanks to technical reviews, testing, and performance/accessibility metrics (Lighthouse/ARIA).

SUMMARY

9th-semester Systems Engineering student (remote mode) at Universidad Santiago de Cali. I develop end-to-end full-stack projects with Node.js + PostgreSQL for back-end and React for front-end, building REST APIs, authentication, and access control. I use AI tools (GitHub Copilot / GPT agents) to speed up implementation and debugging, keeping high standards via code reviews, testing, refactoring, and validation. Solid foundations in OOP, data structures, and software engineering principles, with a focus on security, maintainability, and automated deployment.

KEY SKILLS

- **Back-End:** Node.js, REST API, JWT authentication, data validation, error handling | Java, Spring Boot (basic)
- **Databases:** PostgreSQL, MySQL, SQL Server, Firebase
- **Front-End:** React, Vite, HTML5, CSS3, Bootstrap
- **Languages:** Java, JavaScript, C#, C, Python (basic)
- **Quality:** Unit testing (Vitest), E2E testing (Playwright), Lighthouse audits, ARIA accessibility, SEO
- **DevOps/Delivery:** Git, GitHub, GitHub Actions, CI/CD, GitHub Pages, PWA (vite-plugin-pwa)
- **Tools:** VS Code, Postman
- **CS Fundamentals:** OOP, MVC, requirements analysis, verification & validation (V&V)
- **Methodologies:** Agile / Scrum

- **Applied AI:** Prompt engineering, AI-assisted code reviews, debugging, and refactoring

PROJECTS (AI-ASSISTED DEVELOPMENT)

Corporate CRUD — Users/Roles/Permissions (RBAC) + Dashboard + AI (In Progress ~70%)
Repo: https://github.com/cristianbedoya64/crud-users-ia

Stack: Node.js, PostgreSQL, React, Vite

- Designed and implemented full-stack data flow and endpoints with error handling and validation.
- Security: JWT authentication, password hashing (bcrypt), and RBAC access control.
- Dashboard with charts and AI module to generate insights/summaries from data.
- Continuous improvement of AI-generated code: standardization, corrections, and refactoring.
- Lighthouse scores: Best Practices 100, Accessibility 90, SEO 75.

Professional Portfolio (React + Vite + PWA) — AI-Assisted
Live: https://cristianbedoya64.github.io/portafolio-web
Repo: https://github.com/cristianbedoya64/portafolio-web

- Modular portfolio with i18n, animations, and scalable sections.
- Accessibility: ARIA/semantic improvements.
- Performance: optimizations targeted to Lighthouse.
- Automated build, testing, deployment, and hosting via GitHub Pages.

Full-Stack CRUD — React + Firebase (Academic)
Repo: https://github.com/cristianbedoya64/crud-actividad-usc
Live: https://cristianbedoya64.github.io/crud-actividad-usc/
Grade: 5.0 / 5.0

- Login, validation, and complete CRUD functionality with user-friendly UI.

TRANSFERABLE EXPERIENCE

AI-Assisted Developer / Code Evaluation & Improvement (Independent) | 2024–2025

- Code review and correction supported by AI: debugging, refactoring, and best practices.
- Support in OOP, algorithms, and data structures; improving quality of implementations.
- Prototype and feature development with a focus on code quality.

EDUCATION

BSc in Systems Engineering — 9th semester (online, active) | Universidad Santiago de Cali

LANGUAGES

Spanish: Native | English: Technical reading and comprehension; conversational level in progress

AVAILABILITY

Immediate — remote / hybrid / on-site | Available for national relocation