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# CRISTOFER BARRIOS VALVERDE

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Systems Engineer graduated from the National University of Costa Rica with practical experience in real-world environments. Passionate about creating innovative and functional solutions that generate value. Specialized in Full-Stack development

## CONTACT

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## PROFESSIONAL EXPERIENCE

4Geeks, (Remoto), San José, Costa Rica

Jan. 2025 – Jun. 2025

### Software Engineer (Full stack)

**Project:** 4Geeks Payments.

- Development and implementation of backend functionality (endpoints) with Python, Django, and Postman.
- Building modern, responsive interfaces using Angular, TypeScript, and Bootstrap.
- Container management and deployment with Docker.
- Version control with Git on GitLab and Github.
- Application and use of agile methodologies such as Scrum and ticket management using Scrum Mate.
- Integration of external APIs, management of Google Cloud Platform APIs (Buckets, Vision, Functions) and Gemini AI.
- Module redesign and automation using AI APIs for mapping CV upload flows with GCP.
- Integration of a pre-trained model (face-api.js) to automate facial recognition.

Universidad Nacional de Costa Rica

Feb. 2023 – Jul. 2024

### Junior Developer (Product Owner Jr.)

**Project:** PAUNA

- Front-end development in React + Bootstrap and back-end development in NodeJS + MySQL.
- Project management and Scrum adaptation within the development team.
- Training collaborators on agile methodologies.
- Implementation of functionalities for three roles (Management, Library, Students) with generation of reports and loan flows.
- Unit and regression tests on each requirement of the Completed Sprint.

## EDUCATION

Liceo Sinaí, Pérez Zeledón

2021

### Baccalaureate in secondary education

Universidad Nacional de Costa Rica (UNA)

Nov 2024

### Diploma in Computer Applications Programming

Universidad Nacional de Costa Rica (UNA)

Nov 2025

### Bachelor of Information Systems Engineering

## SKILLS

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- **Soft Skills:** Problem-solving, Effective communication, Adaptability, Teamwork, Responsibility, Punctuality, Creativity, Professional ethics, Decision-making, Critical thinking, Organization and time management.
  - **Project management:** Knowledge of project management using agile methodologies (Scrum), efficient task planning and execution, and activity and resource management.
  - **Research Skills:** Ability to conduct academic and technical research (APA7, IEEE), critical analysis of information and tools for searching and organizing relevant information.
  - **Programming Languages:** Python, C++, Java, JavaScript, TypeScript, Dart.
  - **Technologies and Frameworks:** HTML5, CSS3, Tailwind, Bootstrap, React, Node.js, Next.js, Astro.js, Angular, PHP, Django, Flutter, WordPress (plugin development), Swagger, Selenium. Database Systems: MySQL, Oracle, SQLite, MongoDB, Firebase.
  - **Development and Version Control Tools:** Git, GitHub, Gitlab, Postman, VSCode, IntelliJ IDEA, PyCharm, Docker, Google Cloud Platform, Firebase Studio, Latex.

## CERTIFICATIONS AND COMPETENCES

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- SCRUM Foundation Professional Certificate (SFPC) Certiprof – 2024.
- 4Geeks Certificate of participation - 2025.
- CIUNA Level 5 Course, currently studying.

## ADDITIONAL INFORMATION

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### Languages:

- Spanish: Native
- English: Basic – Intermediate