
Oscar Zúñiga Sanchez

Bachelor of Systems Engineer Universidad Nacional de Costa Rica • Guanacaste, Santa Cruz • oscarzswork@gmail.com • +506 8692-7333 • [Linkedin](#)

Education Universidad Nacional Costa Rica Campus, Nicoya

Bachelor of Systems Engineering, Concentration: Software Development.

May 2025

Relevant Coursework: Software Engineering Practices, Distributed System, Database Management System, Algorithms and Data Structures.

Experience

Nuestra Señora del Rosario

Santa Cruz, Guanacaste

Frontend Developer

February 2024 –June 2025

- Designed and implemented a comprehensive React 18 + Tailwind CSS administrative platform to manage resident admissions, medication scheduling, donations, and inventory control.
- Developed and secured RESTful APIs in .NET 8 with Clean Architecture, implementing CRUD operations, policy-based authorization, and data validation.
- Deployed scalable environments via Coolify, enabling consistent delivery across development and production.
- Collaborated in Scrum sprints: refined user stories, and delivered bi-weekly releases aligned with stakeholder feedback.

Universidad Nacional Distributed Systems Course

Nicoya, Guanacaste

Backend Developer

July 2024 –November 2024

- Engineered microservices for authentication and authorization using IdentityServer4, OpenID Connect flows, and automated token management.
- Integrated JWT-based role-/policy-based access across multiple .NET Core services, achieving seamless and secure interoperability between frontends and backends.
- Automated CI/CD pipelines in Azure DevOps to ensure high-quality builds and streamlined deployments.

Project Experience

- Appointment Management System (Team Project) (Mar 2024–May 2024)
- Architected core appointment service in .NET 8 applying Clean Architecture, delivering CRUD endpoints, exception handling.
- Implemented React frontend to schedule, reschedule, and cancel bookings, with admin override functionality and realtime validation.

Skills & Interests

- **Technical:** C# (.NET Core, Entity Framework), React (Hooks, React Query, TanStack), TypeScript, Firebase, Supabase, SQL (MySQL, SQL Server), Figma.

- **Tools:** Git/GitHub, Cypress, Postman, Thunder Client, Jira, Confluence.
- **Language:** Native Spanish; English in process of learning