

Work Experience

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| IT Engineer | Radio Lira Alajuela, Costa Rica | Aug 2024—Aug 2025 |
| <ul style="list-style-type: none">• Maintained and optimized corporate website improving user experience and performance• Provided specialized technical support for radio streaming services with 99%+ uptime• Developed iOS streaming beta application using SwiftUI for internal operations• Designed and implemented AI-powered proposal for automated radio listener responses with pending web integration | | |
| Full Stack Developer | UNADECA Alajuela, Costa Rica | May 2024—Dec 2024 |
| <ul style="list-style-type: none">• Implemented secure authentication system with Firebase for university management platform• Developed robust RESTful endpoints and scalable backend business logic• Served as development instructor, mentoring students in programming best practices and modern frameworks | | |

Featured Projects

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| PocketRad - Healthcare Mobile Application |
| React Native, TypeScript, JavaScript, PostgreSQL, Prisma |
| <ul style="list-style-type: none">• Specialized application for healthcare professionals providing detailed radiological projections information• Implemented intelligent search, anatomical regions database, and modern interface optimized for clinical use• Designed scalable architecture prepared for future medical functionalities and AI integration |
| Strix - University Management System |
| Svelte, NestJS, PostgreSQL, Firebase |
| <ul style="list-style-type: none">• Internal system for managing student scholarship hours with automated tracking and reporting• Developed real-time reporting dashboard and administrative panel• Repository: github.com/JakecorralesCespedes/strix |
| StreamLive - Streaming Platform |
| SwiftUI, Firebase Auth/Core, AVKit (HLS) |
| <ul style="list-style-type: none">• Streaming application with Firebase authentication and HLS player implementation• Built modular architecture prepared for real-time chat and channel expansion capabilities• Repository: github.com/JakecorralesCespedes/Steamlive |

Education and Certifications

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| • B.Sc. Systems Engineering, UNADECA, Alajuela. 2023—2025 |
| • Python Fundamentals 1 & 2, Skills for All (Cisco). 2024 |
| • JavaScript Essentials 1 & 2, Skills for All (Cisco). 2024 |
| • Technical Diploma in Cloud Computing, Capacitate para el Empleo. 2024 |
| • Cloud Application Developer, Capacitate para el Empleo. 2024 |
| • English Level B1, Centro Cultural Costarricense-Norteamericano. 2022 |

Technologies and Languages

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| • Languages: JavaScript, Python, Java, HTML5, CSS3, Swift, {other languages} |
| • Technologies: React, Node.js, NestJS, PostgreSQL, Firebase, Docker, {other technologies} |
| • Other: Full Stack Development, Microservices Architecture, {relevant skills} |