CESAR SOLANO, Software Engineer

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Full-stack engineer with a strong foundation in scalable web applications, cloud infrastructure, and technical instruction. Passionate about clean, accessible code and building intuitive products through strong team collaboration.

SKILLS React · TypeScript · AWS · SASS · REST · NodeJS · SQL · NoSQL · Redux · Python · Bilingual (English / Spanish)

EXPERIENCE

Software Engineer
ISS - Green Hills Software   November 2022 - Present
- Made **immediate contributions** by resolving **critical bugs** and **enhancing software stability**.
- Built the full frontend and backend for a social message board **used by 100,000+ users**, delivering an intuitive UI, interactive components, and a **scalable backend**.
- **Optimized** code for efficiency, readability, and maintainability, reducing redundancy and **improving modularity**.
- Successfully **updated and modernized legacy systems** to meet current industry standards.
- Utilized a wide range of **AWS services**, alongside proficiency in **Node.js** and **serverless architecture** to deploy and manage **robust, scalable cloud-based** solutions.

Software Engineering Instructor
App Academy (Top-tier Software Engineer Bootcamp) ***Immediately hired after graduation***   April 2022 - October 2022
- Hired immediately after graduating from the program. Achieved a **4.8/5** average rating from over **200 performance reviews**, highlighting **strong communication and problem-solving skills**.
- Full-Stack **Project Manager**: supervised multiple group projects and guided developers in delivering well-structured, functional full-stack applications on time.
- Delivered live lectures on **Big O**, time and space **complexity**, **clean code** practices, **data structures** and **algorithms**.
- Provided **remote assistance (driver-navigator model)** by resolving installation issues, debugging code, and improving project quality.

Business Manager @ Golden Lantern (Most influential LGBTQ+ bar in the city of New Orleans)   Jun 2017 - April 2022
- Led and trained diverse teams, fostering a culture of growth, **optimization** and **high performance** across **fast-paced**, customer-facing operations.

Private Tutor – Math & Physics @ Seasonal Employee at private schools and institutes   Jan 2010 - Dec 2014
- Delivered **one-on-one coaching**, developing a **passion-based learning approach** that empowered students to take ownership of their progress—a philosophy that continues to influence my technical mentorship today.

PROJECTS - **GitHub**

ShortPaths - Fullstack Project - 04/14/2025 - *React **TypeScript AWS** Tailwind Vite reCAPTCHA*   **sp-li.com**
- URL shortener web application enabling custom URL creation, management, and automatic QR code generation, with a **real-time analytics dashboard** tracking visit data such as date, location, source (short URL or QR code), device, browser, operating system, and language.
- Implemented **AWS services**, including **Cognito**, **Lambda**, and **DynamoDB**, to develop a cloud-based, serverless backend, ensuring scalability, efficient data management, and secure user authentication features.
- Developed a modern, responsive UI using **Tailwind CSS** and DaisyUI, with support for 10 languages to ensure a globally accessible experience.
- Ensured inclusive design by following **WCAG** accessibility guidelines, improving keyboard navigation, color contrast, and screen reader support.
- Integrated **Google reCAPTCHA v3** and the **Google Safe Browsing API** to protect against spam, abuse, and malicious URL submissions.

EDUCATION

University of New Orleans - Computer Science, *2020,* **4.0 GPA**. *Courses: Theory of Computation, Machine Learning.*
AppAcademy - +1100-hours immersive Software Engineer program, 2021-2022.
José Antonio Paez University (Venezuela) - Computer Engineering, 2010-2014.