# 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 code, user-first design, and cross-functional collaboration.

## SKILLS
React · **TypeScript** · **SASS** · **AWS** · **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)                                   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.
- 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 and **high performance** across **fast-paced**, customer-facing operations.
- Streamlined workflows and **optimized** processes, increasing efficiency and contributing to **record-setting revenue**.

**Private Tutor – Math & Physics**
*Self-Employed & Seasonal Employee at private schools and institutes*                     Jan 2010 - Dec 2014
- Delivered **one-on-one coaching** in complex technical subjects, adapting explanations to a wide range of learning styles and levels.
- Developed a **passion-based learning** approach that empowered students to **take ownership of their progress** — a philosophy carried into technical mentorship today.

## PROJECTS

**CoolTracker**  - Fullstack Project  *(React Redux **NodeJs** PostgreSQL JS HTML5 CSS3)*        github.com/171cas/CoolTracker
- Developed a **feature-rich** web application with **React** and **Redux**, enabling users to manage data and interact with other registered users.
- Built dynamic, **secure client-server communication** through **Express.js APIs**.
- Designed a visually polished, **mobile-responsive** interface using modern HTML5 and CSS3 to enhance usability across devices.
- Implemented **thorough frontend and backend validations** to prevent invalid data and protect user information, using **bcrypt**, **Express-Validator**, and CSRF tokens.
- Secured the application against unauthorized access and **cross-site attacks** using **JWT**, **CORS**, and **CSRF** protection.

## 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.