GREGORY FLORES

Software Engineer

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PROFESSIONAL SUMMARY

Experienced Software Engineer with 4+ years of development experience across full-stack web applications, backend systems, and modern technologies including React and Python. Passionate about creating efficient, maintainable code and automating workflows to improve developer productivity.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, C, Rust, C#
Web Technologies: React, Next.js, Flask, HTML5, CSS3, TailwindCSS
Databases: PostgreSQL, SQLite, MS SQL
Tools & DevOps: Docker, GitLab CI/CD, Git, Visual Studio Code, JIRA

PROFESSIONAL EXPERIENCE

SOFTWARE ENGINEER III

CACI International Inc. | San Antonio, TX | Feb 2021 - Present

Web Application Development:

- Secured IRAD funding and led development of a web-based application using **React** and **Flask** to streamline Test Program Set development processes, completing first phase in June 2024

- Implemented automated workflows that reduced developer documentation time by 67% (3 weeks down to 1 week)

System Development:

- Designed and developed graphical user interfaces using C with LabWindows/CVI for automated test equipment

- Developed wrapper libraries and APIs for test and measurement equipment.

WI-FI TECHNICAL SUPPORT ANALYST

Opportunity Home San Antonio | San Antonio, TX | Sep 2020 - Feb 2021

- Provided technical support via phone, email, and web-based chat systems

ENGINEERING INTERN

Xenex Disinfection Services | San Antonio, TX | May 2016 - Aug 2016

- Designed start/reset circuit for LightStrike Robots improving system reliability
- Developed data logging system using LabVIEW for Doppler cone testing and analysis

AEROSPACE MEDICAL TECHNICIAN

United States Air Force | San Antonio, TX | Mar 2012 - Feb 2018

FEATURED PROJECTS

Portfolio Website

- **Technologies:** Next.js, TypeScript, TailwindCSS, Vercel
- Terminal-themed portfolio showcasing projects and technical skills
- **Live Site:** gregjflores.com

Weather Application

- **Technologies:** Next.js, TailwindCSS, OpenWeatherMap API, Vercel
- Responsive weather app with current conditions and 5-day forecasting
- **Live Site:** next-weather-kohl.vercel.app/

EDUCATION

Bachelor of Science in Software Engineering
St. Mary's University, San Antonio, TX | Dec 2020

PUBLICATIONS & RECOGNITION

CACI Champions Technical Innovation Award - CACI International Inc.
Received recognition for software development on MPAT (Multi-Platform Automated Tester) test station.

IEEE Publications:

- "Bringing Legacy Technical Data out of the Shadows Using Modern Digital Engineering Tools" - (October 2024)
- "Initial Experiences in Use of Model-Based Development in the ATE Industry" - (November 2023)