

FRED ENRRIQUEZ

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PROFESSIONAL SUMMARY

Passionate, experienced, and proven Engineering lead with more than 14 years of experience building scalable, ITGC and SOX compliant, and efficient teams and processes. Recently returned to school to complete a B.S in Computer Science to integrate the latest academic theory with deep industry experience.

EDUCATION

University of Texas at Dallas - B.S Computer Science – Senior, 3.65 GPA	Est. 12/2026
University of Texas at Dallas - Cyber Defense Certificate	Est. 12/2026
Arizona State University - BSE Electrical Engineering - <i>Incomplete</i>	01/2024~01/2025

ACADEMIC EXPERIENCE

AIAA UTD Comet Rocketry - Chief Engineer	12/2025-Present
AIAA UTD Comet Rocketry - Competition Team Officer - <i>Payload Team</i>	06/2025-12/2025
University of Texas at Dallas - CubeSatSim Workshop, <i>Dr. Kangkook Jee</i>	07/2025
Dallas College - Thunderducks Calculus team - <i>5th place MAA TX</i>	04/2025

CERTIFICATIONS

AWS Certified Solutions Architect - Associate - <i>SAA-C03</i>	12/2024~12/2027
AWS Certified Cloud Practitioner - <i>CLF-02</i>	11/2024~12/2027

EMPLOYMENT EXPERIENCE

Samsara - San Francisco, CA	10/2021 ~ 06/2023
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Principal Business Application Architect / ITGC Controller

- Completed the migration of Quote to Cash integration platforms from Celigo to Mulesoft, reducing time to market for integrations by over 40%.
- Operationalized ITGC and SOX processes automating 60% of compliance activities, reducing audit cycle time by 4 days, saving over 384 hours per year.
- Introduced new department-wide BRD and incident response processes, cutting incident resolution times by over 30%.
- Key member of the IPO team.
- Implemented new SDLC processes business technologies, reducing regression issues by over 80%.

Slack / Salesforce - San Francisco, CA	03/2018 ~ 10/2021
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Staff Engineer / Q2C Lead / ITGC - SOX Compliance Engineer

- Migrated Slack's billing from Netsuite to Workday Financials increasing integration reliability by 35% and data accuracy by 60%.
- Modified Slack's codebase to create new APIs to enhance Quote to Cash integrations.
- Key member of the IPO team.
- Reverse-engineered Workato's ruby environment, enabling local unit testing, and reducing deployment times and post deployment support by 75%.
- Mentored cross-functional teams fostering a culture of collaboration, innovation, and technical excellence.

HRsmart / Deltek - Richardson, TX

01/2015 ~ 02/2018

Integrations Principal Software Architect.

- Discuss, design, scope, develop, and implement requirements into functional projects, such as ADFS 3.0, LDAP, multilingual API to localize API, testing frameworks, cryptography, self-evolving API documentation system.
- Write, analyze, and report project's technical documentation.
- Manage an international team of developers and Quality Engineers.

HRsmart - Bs. As, Argentina - Richardson, TX

09/2009 ~ 01/2015

Project Manager / Lead Developer.

- Manage code through peer review of other team's members to accomplish the best grade of optimization for each task.
- International Based team Management.
- Design of a complete Social Network from Scratch.

SKILLS

Development: Typescript - Python - Hacklang - Version Control - MySQL / NoSQL

DevOps: AWS - Kubernetes - Proxmox - CI/CD - Ansible - Terraform

Biztech: Mulesoft - Workato - Quote to Cash - ITGC / SOX Compliance

Engineering: CAD / CAM - PCB Fabrication (Altium Designer, KiCad, FlatCAM)

SOFT SKILLS

Team Leadership - Mentoring - Process enhancement

LANGUAGES

English (Native) - **Spanish** (Native) - **Japanese** (Basic)

HOBBIES

Automation - Automotive and Aerospace Engineering - 3D Printing / CNC / PCB Fabrication - Drums