

Ramon Michael Chavez

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Software engineer with a security and automation background. Build CI/CD pipelines, containerized build systems, and Android/embedded monitoring tools with a focus on reliable delivery and secure-by-default workflows. Former Naval Officer and SOC analyst seeking software engineering roles in backend, platform, or DevSecOps.

Experience

Software Engineer (Temp) Aug 2025 – Present

Georgia Tech Research Institute (GTRI) Tucson, AZ

- Built GitLab CI templates for Android and Flutter that generate SBOMs, run vulnerability scans, run static analysis, and publish build artifacts.
- Designed and executed IV&V test plans for embedded single-board computer memory systems, validating volatile memory behavior, hardware write-protection, and data sanitization compliance.
- Built Docker/Podman images for repeatable Android builds with lint and static analysis baked in.
- Built an Android monitoring app for an embedded tablet featuring multi-endpoint health checks and system notifications.

Cybersecurity Consultant Dec 2020 – 2024

IBM Austin, TX

- First-line SOC analyst for IBM Cloud and on-premise infrastructure; performed real-time threat detection, triage, and incident response.
 - Coordinated CSIRT cases end-to-end: intake, root cause analysis, remediation, and executive reporting.

Naval Cryptologic Officer Oct 2015 – Feb 2020

United States Navy

- **DevOps Section Lead (Ft. Meade, MD):** Led a team of developers and system administrators supporting Army cyber operations. Developed Python tools and implemented GitLab-integrated software testing pipelines.
- **Battle Watch Captain (San Antonio, TX):** Senior watch officer for 24/7 electronic intelligence operations center. Delivered high-priority briefings to Admiral-level leadership on real-time military developments.

Photovoltaic Design Engineer, SolarCity (Tesla) May 2015 – Aug 2015

Mechanical Design Engineer, Quaesta Instruments Jan 2015 – May 2015

Education

Coursework in Computer Information Systems 2024 – 2025

Pima Community College GPA: 3.48

- Programming & Problem Solving II (Java, C++), Assembly, Data Structures, Discrete Math.

Graduate Coursework (Non-Degree) 2017 – 2018

Naval Postgraduate School

- Introduction to Computer Security (B), Secure Management of Systems (A).

BS Mechanical Engineering 2007 – 2012

University of Arizona GPA: 3.04

- National Hispanic Merit Scholarship Recipient; Study abroad: Universität Stuttgart, Germany.

Certifications & Clearance

TS//SCI Clearance (Active, GTRI-sponsored) | **GIAC Security Operations (GSOC)** – SANS, 2024

Skills

- **DevSecOps & Tools:** GitLab CI/CD, Docker, Podman, SBOM tooling (CycloneDX, Gype, OSV-Scanner), Git
- **Languages:** Python, Java, C++, Assembly, PowerShell, Bash
- **Security Platforms:** CrowdStrike Falcon, Microsoft Defender, IBM QRadar, IBM Resilient SOAR, Wireshark
- **Platforms:** Linux, Android, Windows, Embedded Systems

Personal Interests

Strength Training: Powerlifting (365/255/420 S/B/D at 195 lbs) **Reading:** Military history, geopolitics, science fiction, non-fiction **Personal Projects:** Exploring multi-agent automation and tooling