

Caleb Miranda

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SUMMARY

Product Owner with 8 years and 3 months guiding **cyber range** products, mission focused software delivery, and **technical leadership** across government and DoD training environments. Translates operator, instructor, customer, and program needs into product vision, roadmaps, release strategies, prioritized backlogs, user stories, acceptance criteria, and validated releases. Leads collaboration across full stack engineering teams, cyber range operators, exercise planners, instructors, program leaders, and multi vendor partners. Brings hands on experience with orchestrated training events, simulation environments, RCS, ECS, cloud and hybrid deployments, **user acceptance testing**, **integrated system testing**, and release readiness. Technical fluency includes Docker, Kubernetes, CI/CD, DevSecOps, AWS, Azure, GCP, REST APIs, authentication patterns, distributed systems, and Terraform. Active DoD Top Secret security clearance and CompTIA Security+ certification support trusted delivery for mission critical training programs.

EXPERIENCE

Senior Product Owner, Cyber Training Platforms

January 2024 to Present

Sentinel Range Systems

Colorado Springs, CO

Owns product direction for a cyber range orchestration platform supporting distributed training events, multiple engineering workstreams, and customer delivery across RCS, ECS, AWS, and hybrid environments.

- Owned cyber range roadmap priorities, aligning distributed training needs with sequenced engineering delivery.
- Wrote **user stories** and **acceptance criteria** for orchestration, provisioning, exercise control, and integrations.
- Coordinated operators, planners, instructors, engineers, and vendors, resolving dependencies before **training events**.
- Guided **release readiness** across RCS, ECS, AWS, and hybrid environments, reducing delivery risk.
- Led user acceptance testing and integrated system testing against requirements and training objectives.
- Maintained decision logs, **feature briefs**, release notes, and customer guidance for platform releases.
- Mentored associate product staff through backlog refinement, **stakeholder communication**, and Agile delivery practices

Product Owner

May 2021 to December 2023

MissionGrid Technologies

Denver, CO

Managed cyber training and simulation capabilities for government exercise environments, partnering with full stack engineering teams across containerized cloud and on premises services.

- Managed **cyber training** backlogs, balancing mission value, feasibility, delivery risk, and exercise timing.
- Shaped requirements for Docker and Kubernetes services across cloud and on premises environments.
- Defined **REST API** acceptance criteria and authentication workflows for **multi vendor** integrations.
- Coordinated **CI/CD** and DevSecOps readiness, aligning dependencies, evidence, and customer documentation.
- Converted operator feedback into stories improving usability, performance, and workflow quality after exercises.
- Produced roadmaps, **release notes**, **training materials**, and feature descriptions for varied audiences.

Technical Product Analyst

July 2019 to April 2021

Red Mesa Defense Solutions

San Antonio, TX

Supported product planning for DoD cyber training applications, converting exercise needs and operator feedback into requirements, validation activities, integration documentation, and release materials.

- Translated exercise planning needs into structured requirements for product and engineering leaders.
- Refined **Agile** backlogs, clarifying **acceptance criteria**, dependencies, and test conditions for development.
- Coordinated demonstrations in **simulation environments**, documenting gaps between workflows and delivered behavior.
- Analyzed training service dependencies and external tools, improving interface documentation for releases.
- Documented **AWS** migration requirements, **authentication** needs, REST APIs, and distributed service dependencies.
- Developed customer guides, feature briefs, release notes, and **training materials** for updates.

Systems Analyst, Training Platforms

July 2018 to June 2019

Frontier Cyber Labs

Albuquerque, NM

Supported supervised analysis of **cyber training** platform requirements and integrations for government training programs, building practical experience in Agile delivery, testing, and production support.

- Mapped exercise workflows and stakeholder needs to feature definitions for training programs.
- Documented simulation interfaces and **multi vendor** tools, supporting integration planning and defect investigation.

- Prepared acceptance scenarios and recorded results during controlled integrated test events.
- Maintained requirement traceability, decision records, and release documentation for program reviews.
- Built practical knowledge of Agile delivery, REST APIs, authentication, **cloud**, and **distributed systems**.
- Presented technical findings to product and program leads, strengthening later ownership responsibilities.

PROJECTS

Distributed Exercise Orchestration 📅 2025

Created a product concept for coordinating exercise setup, environment provisioning, workflow control, and validation across distributed cyber training environments. Applied backlog practices, acceptance criteria, and release readiness thinking.

Multi Vendor Integration Planning 📅 2023

Mapped interfaces among training services, REST APIs, authentication workflows, and external tools. Documented dependencies and validation scenarios for reliable exercise operations.

LEADERSHIP & AWARDS

- Recognized by program leadership for dependable product ownership across distributed cyber training releases.
- Received team recognition for translating operator feedback into clearer backlogs and stronger release decisions.
- Selected to mentor associate product staff in Agile refinement, communication, and stakeholder coordination.

EDUCATION

Bachelor's Degree in Information Systems

2018

University of New Mexico GPA: 3.5

Albuquerque, NM

Coursework: Systems analysis, software development, database management, information security

CERTIFICATIONS

- CompTIA Security+ 8570 IAT Level II 📅 2026
- DoD Top Secret Security Clearance 📅 2026

TECHNICAL SKILLS

- **Container Platforms:** Docker, Kubernetes, containerized services
- **Cloud Platforms:** AWS, Azure, GCP
- **Delivery Practices:** CI/CD, DevSecOps, Agile
- **Application Interfaces:** REST APIs, API integration, interface design
- **Security Patterns:** Authentication, authorization, Security+
- **Distributed Systems:** Distributed services, hybrid systems, service dependencies
- **Infrastructure Automation:** Terraform, infrastructure automation, environment provisioning
- **Cyber Training Systems:** Cyber ranges, RCS, ECS
- **Testing Methods:** User acceptance testing, integrated system testing, acceptance testing
- **Product Artifacts:** Roadmaps, release notes, decision logs
- **Requirements Practice:** User stories, acceptance criteria, functional requirements
- **Mission Operations:** Exercise lifecycles, training events, simulation environments

SKILLS

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|---------------------|-----------------------|-----------------------------|-----------------------------|
| • Product ownership | • Agile methods | • Cyber range orchestration | • Integrated system testing |
| • Product vision | • Backlog management | • Cyber training platforms | • Stakeholder communication |
| • Roadmaps | • User stories | • Simulation environments | • Multi vendor integration |
| • Release strategy | • Acceptance criteria | • User acceptance testing | |

PROFESSIONAL AFFILIATIONS

- Association for Computing Machinery member, following product and software delivery practices relevant to technical leadership.
- Project Management Institute member, connecting delivery discipline with mission focused product planning.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST