

# RYAN STRICKLIN

Software Engineer · Cybersecurity Operations · AI/ML Systems

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## PROFESSIONAL SUMMARY

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Software engineer and entrepreneur with hands-on experience in cybersecurity operations, adversarial machine learning, and full-stack SaaS development. Built and deployed production Python APIs, distributed PyTorch training pipelines, and cloud-native infrastructure using Docker Swarm and Ansible. Co-founder and CEO of AnyStory, an AI-powered creative writing platform developed independently from architecture through launch. Strong communicator comfortable translating technical findings to non-technical stakeholders in both SOC and startup environments.

## TECHNICAL SKILLS

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**Languages:** Python, TypeScript, JavaScript, Bash

**Backend & APIs:** FastAPI, Django REST Framework, SQLAlchemy 2.0, Pydantic v2, JWT authentication, RBAC, REST API design, Shopify APIs

**Frontend:** React, Next.js, Electron, TypeScript, Tailwind CSS, HTMX, Zustand, Slate.js

**AI / ML:** PyTorch, Distributed Data Parallel (DDP), multi-GPU training, adversarial patch generation, prompt engineering, LLM API integration

**Databases:** PostgreSQL, SQLite, Redis, Alembic migrations

**DevOps & Cloud:** Docker, Docker Swarm, Ansible, GitHub Actions (CI/CD), Linux, Hetzner VPS, Railway, Cloudflare, electron-builder

**Security:** Elastic SIEM, Endgame EDR, threat analysis, structured logging, audit trail design, rate limiting, Stripe fraud mitigation

**Networking:** TCP/IP, DNS, HTTP fundamentals

## WORK EXPERIENCE

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### Co-Founder & Lead Developer | [AnyStory \(anystory.io\)](https://anystory.io)

2026 – Present

Remote | AI-Powered Creative Writing SaaS Platform

- Took full ownership of a dormant AI SaaS product and rebuilt it end-to-end across engineering, infrastructure, design, and business operations, pushing 340+ commits on the production branch.
- Architected and implemented a Django/React full-stack platform featuring a custom rich-text document editor (Slate.js), AI-assisted writing features, and a subscription monetization system (Stripe).
- Engineered AI writing pipeline using LLM APIs with structured prompt engineering, context management, and multi-document summarization; diagnosed and resolved narrative arc resolution failures through constraint-based prompt redesign.
- Deployed and maintained production infrastructure on Hetzner using Docker Swarm and Ansible, including CI/CD via GitHub Actions and PostgreSQL performance tuning.
- Mitigated a live card-testing fraud attack by implementing Redis-based rate limiting and Cloudflare Turnstile CAPTCHA integration on the subscription endpoint.
- Developed pricing strategy (free trial, Starter \$9.99/mo, Professional \$29.99/mo), co-founder equity agreement, and full go-to-market plan targeting indie and self-published novelists.

### Developer Intern | Johns Hopkins Applied Physics Laboratory (JHU APL)

05/2025 – 08/2025

Sponsored by NSA & Texas A&M Cyber Leader Development Program (CLDP)

- Selected for a competitive summer research internship; designed and implemented an adversarial ML system targeting computer vision-enabled quadcopters.
- Developed a modular Python framework to generate and optimize adversarial patches against YOLO object detection models.
- Implemented distributed multi-GPU training pipelines using PyTorch and Distributed Data Parallel (DDP) to accelerate model experimentation and evaluation.
- Designed automated hyperparameter tuning workflows to systematically evaluate attack effectiveness under varying training conditions.
- Built evaluation tooling to quantify patch performance (hide, misclassify, disrupt) across validation datasets; integrated data augmentation and procedural pattern generation to simulate real-world conditions.
- Published the full project framework to GitHub for reproducibility and ongoing research collaboration.

## Student Triage Analyst | Cybersecurity Operations – Texas A&M University System

04/2024 – 12/2025

- Monitored enterprise network alerts using Elastic SIEM and Endgame EDR; investigated and triaged true/false positives of malicious activity.
- Analyzed process behavior and network telemetry to identify anomalous patterns and escalate confirmed incidents.
- Developed structured investigation workflows and authored technical documentation improving detection logic and response consistency.
- Collaborated cross-functionally to translate security findings into actionable remediation steps for system owners.

## Student Technician | Research & Security Office – Texas A&M University

03/2022 – 03/2024

- Provided technical support for faculty and staff; developed custom scripts and internal applications to improve workflow efficiency.
- Performed routine system maintenance, patching, and software updates to maintain performance and security posture.

## SELECTED PROJECTS

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### Netto — Embedded Shopify Bookkeeping App — *Django · PostgreSQL · HTMX · Shopify APIs · Celery · Redis · Railway*

- Built a full embedded Shopify app for seller bookkeeping and accounting — handles real-time data sync with Shopify's REST and GraphQL APIs, background job processing via Celery/Redis, and billing via Shopify's Billing API with a beta discount flow.
- Engineered iframe-compatible UI by systematically replacing Shopify Polaris web components with native HTML equivalents to resolve rendering failures inside the Shopify admin embedded iframe.
- Deployed on Railway with PostgreSQL; live marketing site at hellonetto.com with full beta onboarding and demo data seeding.

### Spire — Desktop Audiobook & Podcast Player — *Electron · React · TypeScript · Zustand · Howler.js · WebTorrent · yt-dlp · SQLite*

- Open-source (MIT) Windows desktop application for local audiobook and podcast playback built for the self-hosted/privacy community — ships as an NSIS installer with auto-updates via GitHub Releases.
- Designed a strict renderer-pure architecture: all Node/platform code lives in swappable services behind a typed IPC bridge, keeping React components clean and a future iOS/Capacitor port viable without a rewrite.
- Implemented M4B chapter navigation, per-book resume and speed memory (0.5x–3.5x), magnet link OS-level URI scheme registration, and a WebTorrent-powered download queue with pause/cancel/retry.

### Adversarial Patch Generator — *Python · PyTorch · DDP · YOLO*

- Modular Python framework for generating and optimizing adversarial patches targeting YOLO object detection models.
- Built distributed multi-GPU training pipeline (PyTorch DDP), automated hyperparameter tuning, and evaluation tooling measuring hide/misclassification/disruption rates.
- Integrated procedural camouflage generation and style-based loss techniques to simulate real-world deployment conditions.

Repository: [github.com/TitaniumKnight1/Adversarial-Patch-Generator](https://github.com/TitaniumKnight1/Adversarial-Patch-Generator)

### Risk Compliance Tracker API — *FastAPI · SQLAlchemy 2.0 · PostgreSQL · Docker*

- Production-ready REST API for tracking risks, controls, evidence, tasks, and audit events using a layered architecture (routers → services → repositories).
- Implemented JWT authentication with refresh token rotation and revocation, RBAC, ownership checks, structured logging, and request ID tracing.
- Shipped with Docker Compose, Alembic migrations, and a comprehensive pytest test suite.

Repository: [github.com/TitaniumKnight1/risk-compliance-tracker-api](https://github.com/TitaniumKnight1/risk-compliance-tracker-api)

## EDUCATION

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### B.S. Technology Management | Texas A&M University

08/2021 – 12/2025 | *Minor in Cybersecurity · Minor in Business*

## LEADERSHIP & PROGRAMS

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### Program Participant | Cyber Leader Development Program (CLDP)

10/2024 – 12/2025

- Competitively selected for a DoD-sponsored 2-year cybersecurity and leadership development program; completed advanced training, mentorship, and competition-based problem solving applied directly in SOC operations.