

# Adam Pearce

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Full-stack Senior Software Engineer with design and product sense, and 10+ years building data-intensive applications and distributed systems. Highly effective at turning ambiguous problems into simple, reliable software across frontend, backend, data, and infrastructure.

**Tech Stack:** Python, Java, TypeScript, React, Next.js, Django/Flask, Postgres, AWS, Docker, Kubernetes, TailwindCSS

## Education

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### University of Virginia

Charlottesville, VA

*M.S. Data Science*

2015

*B.A. Statistics (Econometrics)*

2014

## Experience

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### Entrepreneur

*Pearce Labs, LLC.*

*July 2023 – Present*

- Own and operate a digital services agency (**pearcelabs.com**), helping small businesses improve their digital presence and automate operations to reduce overhead and improve profitability.
- Built, launched, and maintain a free iOS app (**multiborder.io**) that enables photographers and creatives to batch-add borders in multiple aspect ratios; earned positive reviews and \$100+ in donations.
- Co-founded **Lasso**, a two-sided marketplace connecting creators and brands, featuring two-way discovery, customizable creator media kits with audience and engagement metrics, and built-in messaging.
- Co-founded **Wildfire**, a creator analytics product that analyzes Twitter audiences to surface actionable insights and customer profiles to improve monetization.
- Built and maintain a GPT-powered wine recommendation web-app (**oeno.chat**) that helps users find the perfect wine for any meal.

### Staff Software Engineer

*Agile Defense*

*June 2015 – Present*

- Joined XOR Security as a first-10 engineer; grew with company to 150 employees and tens of millions in revenue; later acquired by private equity and merged with Agile Defense.
- Built and owned a geospatial web platform used by hundreds of analysts to monitor and respond to tens of thousands of critical-infrastructure incidents; also used by leadership to track and report on thousands of personnel.
- Automated high-volume, mission-critical reports and workflows, cutting delivery time by 50%+ and returning ~25–50 analyst hours/week to higher-value work.

- Led a team of 5 to design and build a Python/React data platform that replaced paper-based workflows with searchable, time-synced views of telemetry, geospatial data, video, and audio; cut analysis cycles from days to hours.
- Led a 10-engineer platform/SRE team operating a 60-node data stack (OpenShift, Spark, Elasticsearch, Hadoop) processing 300GB–1TB/day; improved uptime to 95% and reduced MTTR by 50% through infrastructure automation (Ansible).
- Led product development for a 10-engineer team across 12+ production applications; built core services (Java/Spring Cloud, Python/Flask, React) for a distributed messaging platform sharing millions of cyber-threat indicators across hundreds of partners; in production today as the flagship cybersecurity sharing platform for the Federal Government.
- Led migrations from monolith to microservices and from on-prem to hybrid/cloud (Spring Cloud, AWS, Kubernetes), improving reliability and availability of core services.
- Designed and built a CI/CD platform (Jenkins, Artifactory, Kubernetes) with human-in-the-loop gates, reducing time-to-production by 90% and improving environment reliability.
- Architected and built Apache NiFi-based ETL pipelines with fine-grained access controls and policy-driven routing, enabling runtime reconfiguration without production releases.

**Hobbies & Interests:** Guitar, music composition, cooking, coffee, photography film, design, tabletop RPGs, videogames, hiking, fly fishing, science fiction and fantasy, writing, microelectronics, gardening