

David Teather

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Experience

Clear Street Clearing & Settling
Software Engineer Jan 2026 - Present

- Building infrastructure and features for clearing and settling, focusing on corporate actions

CrowdStrike NG SIEM TDIR
Software Engineer Aug 2024 - Jan 2026

- Delivered API microservice with 95%+ test coverage, comprehensive monitoring, automated alerts, service runbooks, and rapid rollback capabilities for mission-critical security infrastructure.
- Contributed to distributed systems infrastructure processing PB+ daily ingest with trillion+ events, achieving 99.9% success rate through robust architectural patterns.
- Accelerated team productivity by 50% through "New Service Playbook" codifying best practices, adopted by 100+ engineers across multiple teams.
- Built Grafana dashboards for API, OpenSearch, and Kafka observability; managed on-call rotation resolving incidents within SLA windows.

Software Engineer Intern May 2023 - Sep 2023

- Developed a parser, lexer, and VM for LogScale Query Language (LQL) to a custom efficient bytecode
- Designed a comprehensive linter tool to ensure code integrity and to catch bugs before deployment to the client
- Created a custom testing framework for LQL, integrating it into our CI/CD pipeline

Projects

ApplicantAtlas 2023-2024

- Developed a serverless, event-driven hackathon platform featuring a schema-driven form builder, time-gated access, email automations, and webhook integrations
- Solely owned product vision, architecture, UX, and CI/CD; guided an open-source contributor to ship features

LinkedIn Learning Instructor 2023

- Teamed up with GitHub and LinkedIn Learning to create a highly engaging, impactful course
- Empowered 4.5K+ learners to master GitHub Codespaces, enhancing their coding efficiency and productivity

TikTokAPI 2019-2025

- Engineered a popular open-source Python package to extract data from TikTok's website, with over 2.3M+ downloads and 7.6K+ GitHub stars
- Used extensively in the academic and corporate sectors, cited in 25+ academic papers from renowned institutions including Yale, Northwestern, The United Nations, and used by 500+ companies

The Response Times 2022

- Conducted in-depth security analysis of YikYak's app, uncovering critical privacy vulnerabilities, prompting enhancements to user privacy (featured in Vice and The Verge)
- Increased user data security by identifying and addressing critical vulnerabilities in link.social's authorization tokens, protecting sensitive user data for thousands of users (email, phone number, locations, birthdays, etc)

Achievements and Leadership

IMC Prosperity 2 | Top 100 US 2024

MIT BattleCode Finalist | 13th out of 400 2024

MadHacks | Lead Organizer 2023

- 650+ applicants, 250+ attendees, 50+ projects, \$15K+ funding

Undergraduate Projects Lab Coordinator (UPL) | Workshops, Talks, Mentorship 2023-2024

GitHub Campus Expert | Leadership, Community Development 2022-2024

Education

University of Wisconsin - Madison Madison, WI
Bachelor of Science in Computer Science, Minor in Entrepreneurship GPA: 3.92/4.0

Technical Skills

Languages: Go · Python · Scala · TypeScript · SQL
Technologies: AWS · Apache Kafka · Elasticsearch · OpenSearch · PostgreSQL · Prometheus · Grafana
Dev Tools: Docker · Terraform · GitHub Actions · GitHub Codespaces
Compliance: CJIS-Cleared · Experience working in FedRAMP High, DoD IL5, and AWS GovCloud environments