Bradley Fidler

Principal Technical Writer — API documentation, platform engineering, AI workflows

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SUMMARY

I own documentation platforms and build the tooling that powers them — CI/CD pipelines, OpenAPI workflows, and production LLM integrations including MCP servers for deterministic quality control. Currently at DomainTools, where I run docs.domaintools.com end to end for a B2B security intelligence company with 800+ customers, bringing documentation into the SDLC so it ships with products at launch. Published researcher with credits at USENIX Security and IEEE; authored a commissioned history of the internet co-foreworded by Vint Cerf for Google and ICANN.

EXPERIENCE

Senior Technical Writer — DomainTools   Oct 2023 – Present

Seattle (Remote), WA, US · https://docs.domaintools.com

Own docs.domaintools.com and all supporting tooling for a 150-person B2B security intelligence company serving 800+ customers. Moved documentation into the SDLC — critical updates ship same-day, and products launch with docs at tech preview.

- Migrated 120+ documents into a unified MkDocs-Material platform with CI/CD, Swagger UI, and SME contribution workflows spanning 4 engineering teams.
- Authored OpenAPI specifications across 4 API product lines; specs drive production code generation, Swagger UI rendering, and contract validation.
- Reduced documentation cycle time from weeks (ticket-driven, manual) to same-day for critical updates; docs now ship with products at tech preview through SDLC integration.
- Built Python/Jinja2/LaTeX PDF generator with theming and dynamic TOC for branded customer-facing documentation.
- Built production MCP server with anti-hallucination controls integrating Vale, markdownlint, spaCy, and custom linters to guide LLMs through deterministic documentation quality fixes.

Contract Technical Writer — JPMorgan Chase & Co.   Apr 2023 – Sep 2023

Jersey City (Hybrid), NJ, US

Owned the Hybrid Cloud Migration Hub — an enterprise Confluence portal supporting ~50,000 engineers in JPMC's central IT division through a hyperscale hybrid cloud datacenter modernization.

- Owned and maintained the enterprise-wide migration portal covering AWS hybrid cloud policy, architecture guidance, and configuration management documentation for the JPMC IT organization.

- Drafted cloud migration and configuration management policy reviewed and approved by VPs and Managing Directors; documentation passed external audit.
- Coordinated documentation deliverables with CM tooling development teams, including running cross-functional working sessions.

Technical Writer — Romeo Power, Inc.
Jun 2022 – Mar 2023
Los Angeles (Remote), CA, US

Brought SDLC and configuration management documentation to ASPICE certification readiness for an EV battery manufacturer in the automotive supply chain.

- Interviewed engineering SMEs to document SDLC practices including git workflows, branching strategies, and release processes for ASPICE process compliance.
- Produced B2B technical documentation and document control artifacts meeting ISO 9001 and ASPICE requirements; documentation passed compliance assessment.
- Earned intacs Automotive SPICE Provisional Assessor certification; validated competency in ISO/IEC 330xx process assessment, evidence collection, SME interviewing, and NPLF-rated capability evaluation.

Faculty (Assistant Professor), Science and Technology Studies — Stevens Institute of Technology
Aug 2017 – May 2021
Hoboken (Hybrid), NJ, US · https://www.stevens.edu

Led funded research and consulting engagements for Google, ICANN, NSF, and Lockheed Martin alongside a faculty appointment in Science and Technology Studies.

- Co-PI on NSF EAGER grant to develop new performance metrics frameworks for Security Operations Centers (SOCs).
- Co-authored the first comprehensive history of unique identifier creation and administration from ARPANET origins through 2017; jointly commissioned by ICANN and Google; foreword by Vint Cerf and Steve Crocker; used in policy deliberations on IP governance and ownership.
- Wrote historical lessons-learned analysis of distributed simulation for a Lockheed Martin defense program (under NDA).
- Institutionally recognized lecturer; career teaching evaluation of 3.9/4.0.

Researcher (Assistant) — UCLA Computer Science
Sep 2013 – Jan 2017
Los Angeles (Hybrid), CA, US · https://www.cs.ucla.edu

Research assistant on a DARPA-funded study of ARPANET protocol strategy; conducted structured SME interviews with senior technical and government officials up to Assistant Secretary of Defense level, and performed archival research on early internet history.

- Located and preserved primary source materials documenting early ARPANET and internet history, contributing to institutional archival collections.

PROJECTS

Documentation Diagnostic Tools (DDT)

MCP server integrating Vale, markdownlint, spaCy, and custom linters to guide LLMs through deterministic documentation fixes. Provides context-aware suggestions for style, structure, and technical accuracy.

PDF Documentation Generator

Python tooling using Jinja2 templates and LaTeX rendering to produce branded PDF documentation with theming, dynamic table of contents, and automated builds.

Event Log — https://github.com/brfid/event-log

Prototype for structured data extraction from natural language input using the OpenAI API; built to evaluate LLM reliability for capturing typed, validated records from unstructured text.

Promptfoo-evals — https://github.com/brfid/promptfoo-evals

Evaluated promptfoo as a harness for comparing LLM-generated documentation outputs; findings informed the shift to an MCP-based approach for measuring LLM behavior in production documentation workflows.

SKILLS

Docs platform and automation

Markdown · git · OpenAPI · MkDocs/Docusaurus/SSG · GitHub Actions · CI/CD · Python 3.11+ · pytest · Ruff · CLI tooling · venv/pipx · YAML/JSON pipelines · Vale

API and Developer Tooling

OpenAPI · Swagger · Postman · cURL · Bruno · schemathesis

Content Architecture and Generative AI

MCP (Model Context Protocol) · Chunking · Embeddings · RAG metadata · LLM CLI/IDE tooling · Prompt design · Prompt evaluation · Hugging Face inference

Security and Networking

BGP · DNS · SIEMs · SOARs · IPv4 · IPv6 · Wireshark

EDUCATION

UCLA — PhD History (information systems)

PUBLICATIONS

The Creation and Administration of Unique Identifiers, 1967–2017 — https://www.icann.org/en/system/files/files/creation-administration-unique-identifiers-1967-2017-18nov20-en.pdf

ICANN / Google (Commissioned Document) · 2020-11-01

Co-authored the first comprehensive history and analysis of unique identifier creation and administration from ARPANET origins through 2017; jointly commissioned by ICANN and Google for policy deliberations on IP governance. Foreword by Vint Cerf (TCP/IP co-inventor) and Steve Crocker (RFC 1 author). Co-author Russ Mundy.

Work-From-Home and COVID-19: Trajectories of Endpoint Security Management in a Security Operations Center — https://www.usenix.org/conference/usenixsecurity23/presentation/jones
USENIX Security '23 · 2023-08-01

Co-author (Jones, Brucker-Hahn, Fidler, Bardas). Contributed historical analysis tracing endpoint security management from the 1970s through the COVID-19 WFH transition; complemented an ethnographic SOC study spanning 1,000+ hours and quantitative interviews across 7 SOCs.

Edge Cryptography and the Codevelopment of Computer Networks and Cybersecurity — https://doi.org/10.1109/MAHC.2016.49
IEEE Annals of the History of Computing · 2016-10-01

DomainTools Technical Documentation — https://docs.domaintools.com
DomainTools · 2025-01-01

Primary author and editor of technical documentation for DomainTools APIs and data products.

Threat Feeds OpenAPI 3.1 Specification — https://docs.domaintools.com/feeds/openapi/
DomainTools · 2025-05-01