

Dora Militaru

Lead Engineer

London, United Kingdom / Hybrid or Remote

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she / her / hän

In a nutshell

I make things with technology. I designed the award-winning Fastly developer hub, as well as the Financial Times' GDPR consent platform. I relish the intellectual stimulation and sense of purpose that comes with challenging and impactful work.

Technologies

Rust, JavaScript/TypeScript, Go, Python, bash, jq, HTML, CSS, MDX, Linux

NodeJS, React, Docker, Kubernetes, Neo4J, ProgreSQL, VoltDB, Redis, Express, Next.js, SvelteKit, Gatsby, GraphQL, VCL, Terraform, OpenAPI, Grafana, Sass, PostCSS, Vanilla Extract, Service workers

GitHub Actions, Splunk, GCP, AWS

Experience

Fastly / Senior Software Engineer & DevRel

FEBRUARY 2020 - AUGUST 2024, LONDON

I made it easier for developers to use the Fastly platform – through open-source libraries and developer tools, customer solutions, docs, and demos. I told stories with code, showing the possibilities that Fastly's technology unlocks.

COMPUTE DEVELOPER EXPERIENCE / SENIOR SOFTWARE ENGINEER

- **Developed and Maintained Solutions**
Developed solutions, open-source libraries and POCs for Fastly's Compute platform. Focus areas included authorization, authentication (OAuth 2.0, FIDO2), API hardening, real-time (GRIP), web performance optimization, and Machine Learning.
- **Developer Tooling**
Wrote a Language Server Protocol implementation for Varnish Configuration Language, along with a significant update to Fastly's Visual Studio Code extension.
- **Product Impact**
Engineered a performance, security and environmental impact testing tool, featured prominently on Fastly's developer site. This tool's success inspired several product spin-offs.
- **Innovation**
Produced the canonical implementations for ML inference and serverless vector search on Fastly's compute platform.

Fastly / cont'd

Experience (2)

DEVELOPER RELATIONS / DEVELOPER RELATIONS ENGINEER

- **Architected Award-Winning Developer Portal**
Designed and built Fastly's developer portal, earning a personal award from the CEO for this critical contribution.
- **API Modernization**
Led the migration of a 700-endpoint API definition to OpenAPI and pioneered the development of the first comprehensive code-generated API clients, enhancing API documentation and usability.
- **Edge Compute Solutions & Demos**
Developed cutting-edge solutions and demos for Fastly's serverless compute platform.
- **Keynote Speaker & Workshop Facilitator**
Delivered keynotes at prominent conferences like [performance.now\(\)](#), led workshops, and produced technical content.
- **Open Source Program Support**
Provided onboarding and technical assistance to members of Fastly's open-source program, including key partners like the Rust Foundation.

Beyond the role

I served on the API Guild and OpenAPI working groups, influencing best practices and API strategy across the organization, and provided critical support as an incident commander on the Incident Management On-Call team.

Financial Times / Tech Lead

APRIL 2017 - JANUARY 2020, LONDON

I worked on improving experiences for ft.com readers, led GDPR implementation, and guided engineering teams to operate reliable systems at scale.

OPERATIONS & RELIABILITY / SENIOR DEVELOPER II, TECHNICAL LEAD

- Led development on the FT's business operations platform.
- Architected and implemented a toolchain to enhance runbook quality across all engineering departments.
- Acted as people lead for the department's staff secondment programme.

INTERNAL PRODUCTS / SENIOR DEVELOPER II, TECHNICAL LEAD

- Architected and delivered two internal product suites, streamlining FT's core B2B functions.
- Developed a cookie auditing tool with automated reporting capabilities.
- Provided mentorship and guidance to five direct reports.

Financial Times / cont'd

Experience (3)

FT.COM / SENIOR DEVELOPER, TECHNICAL LEAD

- Led the architecture and implementation of the GDPR consent management platform, ensuring compliance across ft.com.
- Advocated for compliant-by-default development, integrating consent governance into all key systems.
- White-labeled and deployed a cookie consent service across 14 digital publications within the FT portfolio.

FT.COM / DEVELOPER

- Re-engineered the paywall for ft.com, achieving a 50% reduction in origin latency at the 95th percentile.
- Optimised the critical render path for the sign-up flow on ft.com, enhancing user experience and conversion rates.
- Designed and implemented an on-site messaging orchestration service for personalised user journeys.

Beyond the role

I served on the Broad Technical Leadership Group and CyberSecurity Guild, shaping strategic technical initiatives and driving best practices across the FT.

Shopper Media Group / Media Planner → Senior Manager

AUGUST 2011 - APRIL 2017, LONDON

A graduate hire in a media planning role, I taught myself to code in order to automate tasks like media buying and campaign evaluation.

Interests

A lifelong learner, galvanised by a passion for building a faster, more secure, more accessible, privacy-driven, better web. I thrive in **multifaceted and diverse environments**.

Blackrock 3 certified L1 Incident Command / Incident Management Systems.

Licenced skydiver.

Education

MPhil Management / University of Cambridge

2010 - 2011

BA (1st Hons) Digital Media Production / Sheffield Hallam University

2007 - 2010

Examples

Article: [Simplifying OAuth at the edge](#) | Repo [[Rust](#)] [[JS](#)]
Complete OAuth 2.0 with PKCE for edge/serverless compute

Article: [AI-powered "For You" recommendations](#) | Repo [[Rust](#), [JS](#), [Py](#)]
Performant similarity search engine for edge compute / DIY vector database on object storage

Article: [Automatic request validation with OpenAPI](#) | Repo [[JS](#)]
API hardening for edge/serverless compute

Article: [Minimalist routing for edge compute](#) | Repo [[TypeScript](#)]
Express-style routing framework

Video: [Passkeys: a future without passwords?](#) | Repo [[Rust](#)]
WebAuthn-based passwordless authentication for edge/serverless compute

Demo: [ML inference at the network's edge](#) | Repo [[Rust](#)]
Neural network inference in just ~35MB of WebAssembly

Take-Home Coding Test: [[Knight's Shortest Path, TypeScript](#)]
The one and only take-home test I've ever done