

Tj Wason

Staff AI Engineer

United States | [LinkedIn](#)

I build agentic AI systems that run in production.

Before that, ten years shipping product at B2B SaaS companies: point of sale at Lightspeed, terabyte-scale inspection data and geospatial tooling at Zeitview, cap table software at Pulley. Getting an agent to work on the ten-thousandth call, inside a real business workflow, is the same discipline: retries, idempotency, partial failure, state that survives a restart, and a cost per call you can defend.

WHAT I WORK ON

Staff AI Engineer at Relevance AI, building arg.ai, an AI workspace where teams and agents share the same files, chat, and compute. Most of my work sits below the product:

- Agent turns run for hours on Cloudflare Workflows and Durable Objects. I work on journal replay, retry backoff, hibernation, and the state resets a deploy causes mid-run.
- Agents write and run real code in container sandboxes. I own their lifecycle, isolation, and how much damage one can do.
- Tools reach the agent over MCP. I build and run the server, the tool schemas, the auth, the transports.
- Chat streams over a WebSocket turn protocol with model routing, reasoning-effort control, and tool dispatch. I track time to first token.

TOOLING SO AGENTS CAN DO THE WORK

I also build what AI coding agents need to ship real changes and prove them:

- Ephemeral cloud environments that boot a full production-shaped stack on demand, so agents build and verify without my laptop.
- Browser automation so an agent exercises the real UI end to end.
- CLI tools that drive the real agent over the real transport, so backend changes get checked against the running system.
- Eval and trace pipelines: error clustering and regression triage.
- Recorded demos and diffs that show a change working, so a reviewer can watch it.

AGENTS AND LLM SYSTEMS

MCP servers and clients: tool schemas, transports, auth · Context engineering: retrieval, compaction, memory, cache-aware prompt layout · Sandboxing and computer-use safety: isolation, approval gates, kill switches, prompt injection · Evals: golden sets, offline and online, LLM-as-judge, regression gates in CI · Observability: tracing, span-level cost and latency, drift alerting · Retrieval and memory: pgvector, Qdrant, hybrid search · LoRA/QLoRA, DPO

THE REST OF THE STACK

Cloudflare Workers, Durable Objects, Workflows, Containers, R2 · TypeScript/Node, Python, Rails · AWS, GCP, Kubernetes, Terraform · Postgres, MongoDB, Redis, PostGIS · Next.js, React, React Native

Happy to talk with anyone building AI automations, agent infrastructure, sandboxes, or evals.

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EXPERIENCE

Staff AI Engineer Relevance AI	Jan 2026 — Present
Founding Team arg.ai	Jan 2026 — Present
Staff AI Software Engineer Pulley	Jan 2025 — Jan 2026
Senior Software Engineer Zeitview	Jan 2022 — Jan 2025
Senior Software Engineer Dooly	Jan 2021 — Jan 2022
Senior Software Engineer Lightspeed HQ	Jan 2019 — Jan 2021
Software Developer SAP	Jan 2016 — Jan 2019
Software Engineer Intern Amazon	Jan 2015 — Jan 2015 <i>Greater Seattle Area</i>
Software Engineer Intern Alcatel-Lucent	Jan 2014 — Jan 2014 <i>Ottawa, Canada</i>
Software Engineer Intern Broadcom Limited	Jan 2013 — Jan 2013 <i>Richmond, BC</i>

EDUCATION

The University of British Columbia

Bachelor of Applied Science (With Distinction) in Software Engineering

CERTIFICATIONS

Pitt Meadows Classic Champion , Vancouver Golf Tour	Aug 2017
Dean's List , Faculty of Applied Science - UBC	Apr 2013
TREK Excellence Scholarship , UBC	Apr 2013
Dean's List , Faculty of Applied Science - UBC	Apr 2012
TREK Excellence Scholarship , UBC	Apr 2012
Outstanding International Student , UBC	Sep 2011
Top AIEEE Rank , All India Engineering Entrance Examination	Jun 2010

SKILLS

JavaScript · Software Engineering · Algorithms · HTML · MySQL · Scala · jQuery · Scrum · Agile Methodologies · Node.js · Amazon Web Services (AWS) · CSS · TypeScript · React.js · AngularJS · Angular · Storybook · Tailwind CSS · Cascading Style Sheets (CSS) · PostgreSQL · Amazon Dynamodb · AWS Lambda · Google Cloud Platform (GCP) · Cloud Firestore · OAuth