

I put AI to work inside real companies: models like Claude connected to the systems you already run, the data plumbing underneath, all of it secure, measurable and on hardware you control. Available full time, on contract, or for a first conversation.

29

years building software since PipeLive, 1997

450

releases of bradley.io February to October 2026, staged, auto-rollback

406

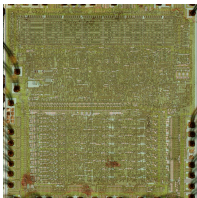
commits in the busiest week public GitHub, 3 orgs, 2026 by week

876

Claude Code sessions 1.22M messages, 139-day streak, by day

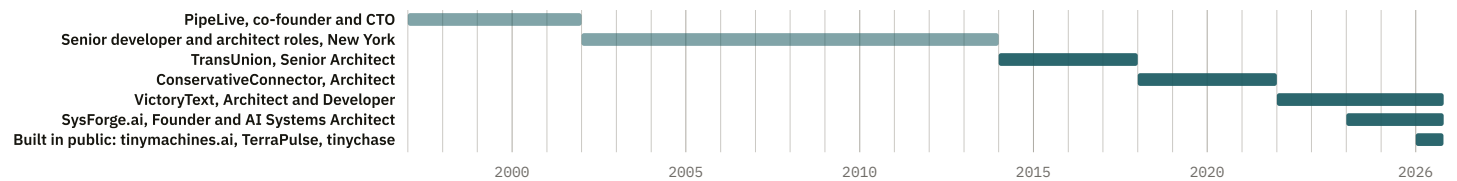
14.2M

measured records on TerraPulse 183 upstream datasets, 80 indexes



MOS 6502 die simulated switch by switch at tinymachines.ai/6502

CAREER, 1997 TO 2026



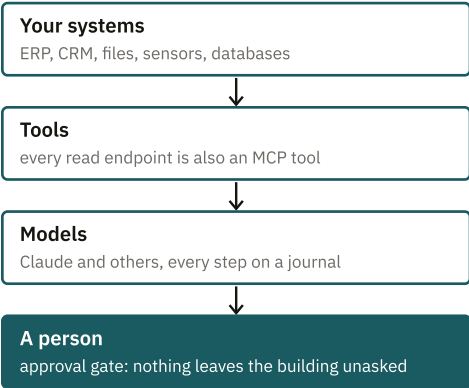
EXPERIENCE

- SysForge.ai** · Founder and AI Systems Architect 2024 to present
- Built a production-ready prototype platform of 84 self-hosted services, about 3,390 documented endpoints, every read endpoint also a tool for connected models: a journaled state kernel for agents, a declarative workflow engine with approval gates, a service mesh and an intelligence crawler.
 - Shipped MyFinalWishes, a digital estate-planning product, as its only engineer: per-user envelope encryption, a replicated standby, verified nightly off-site backups, about 1,500 automated tests.
- VictoryText, LLC** · Architect and Developer 2022 to present
- High-volume messaging platform at 99.9% uptime: FastAPI over four carriers with automated failover, atomic DynamoDB queues, AI-driven anomaly detection on delivery.
- ConservativeConnector, LLC** · Architect and Developer 2018 to 2022
- AWS data infrastructure normalizing 4.9 billion data points and more than 100 million contacts for ML, shipped to Snowflake; GDPR and CAN-SPAM compliance enforced automatically.
- TransUnion, TruLookup Division** · Senior Architect 2014 to 2018
- Lead developer on a classified project with the United States Government. Led five developers on a search platform processing billions of records a day at better than 99.9% uptime, with ML models for entity resolution.
- Earlier, 1997 to 2014** · Senior developer and architect roles in New York; co-founder and CTO of PipeLive, 12 industry awards and a \$2M Siemens reseller agreement.

BUILT IN PUBLIC THIS YEAR

- tinymachines.ai**: a transistor-level 6502 and a switch-level NES in Rust and WebAssembly, matched to the reference bit for bit, with a bench wired to a real console
- terrapulse.info**: an open climate and geophysical data platform with a public MCP server connected to claude.ai
- tinychase.com**: a cyclone model running in the browser on WebGPU, built in nine days
- bradley.io/ai-pilot**: every AI working session and what it cost, on the public record

HOW I WIRE AI INTO A BUSINESS



a crashed run replays to its next step; your hardware or AWS. no vendor holds the keys

TOOLS

Python, TypeScript, Rust, C#, SQL · Claude API, Model Context Protocol, RAG, vector search, scikit-learn · FastAPI, Next.js, Playwright · PostgreSQL and PostGIS, Snowflake, DuckDB, DynamoDB, Elasticsearch, Solr · AWS, Linux, nginx, systemd, ZFS, WireGuard

EDUCATION

Columbia University, advanced object-oriented programming · Plymouth State College, computer science · University of Buffalo, physics engineering

DAYS WITH CLAUDE CODE

