

DAVID PETERS

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Senior Staff engineer who builds the internal platforms and AI developer tooling that engineering organizations run on. At Doximity (NYSE: DOCS), created Mortar, the developer platform used by 90+ engineers, and now leads AI developer tooling: MCP server architecture and context delivery, Claude Code and Codex guardrails, evals, and org-wide adoption, all under SOC2/HIPAA constraints with real attention to cost, security, and reliability. Technical co-founder with a successful all-cash exit. Treats fellow engineers as customers and measures success in their velocity.

TECHNICAL SKILLS

AI / Agentic: MCP server architecture (custom and Snowflake managed), Claude Code, Codex, Cortex agents, prompt and eval design, LLM guardrails, agentic harness development

ML / Modeling: XGBoost, LightGBM, CatBoost, scikit-learn, model evaluation and calibration, closing-line-value benchmarking

Languages & Data: Python, Go, Node.js, SQL (Postgres, MySQL, SQLite), DuckDB, Redis, MongoDB

Infrastructure: AWS, GCP, Snowflake, Airflow, Dagster, Spark, EMR, dbt, Docker, Kubernetes (EKS, k3s), Terraform, Cloudflare Workers, CircleCI, ArgoCD, Prometheus, Grafana

EXPERIENCE

Doximity (NYSE: DOCS) | Senior Staff Engineer, Data Platform

March 2017 - Present

Promoted: Software Engineer (2017) → Senior (2019) → Staff (2022) → Senior Staff (2026)

- Lead the Data Platform team's agentic AI integration: designed and built a custom internal MCP server exposing Airflow, the Mortar developer platform, and broader Data Platform surfaces to Claude, and integrated Snowflake managed MCP and Cortex agents into engineering workflows.
- Designed guardrails for internal Claude Code and Codex wrappers used across engineering, balancing agent capability against compliance requirements at a public healthcare company (SOC2, HIPAA, internal AI usage governance).
- Built an internal semantic layer MCP server giving Claude persistent business context from Snowflake semantic views, dbt artifacts, and metric definitions: redesigning how information is organized for model consumption rather than human consumption.
- Drove adoption of AI-assisted workflows across 90+ data engineers through enablement, templates, documentation, and embedding directly with product teams to identify use cases.
- Designed and co-authored Mortar, the internal developer platform that 90+ engineers and 10+ product teams rely on to scaffold, test, and deploy data projects across AWS (S3, Lambda, EMR, SageMaker, Aurora) and Snowflake.
- Led a 17-month initiative bringing all Snowflake resources under Terraform with Atlantis CI/CD; owned RBAC architecture, cost governance with chargeback reporting, AWS PrivateLink across multi-account HIPAA-isolated environments, and the Airflow 2 migration on EKS with ArgoCD.
- Mentor engineers across the team, currently managing two direct reports, and drive cross-team technical direction through influence rather than mandate.

TutorUp | Technical Co-Founder

Exited 2021

- Co-founded an EdTech tutoring marketplace and built the platform end-to-end (product, infrastructure, payments, matching) from zero through a successful all-cash acquisition five years after founding.

Earlier Experience

pre-2017

- iCitizen: Engineering Manager leading a 16-person team on GCP and Kubernetes. ChowNow and (mt) Media Temple: backend and platform engineering.

SELECTED PROJECTS (INDEPENDENT, PRODUCTION)

good_sport: sports prediction platform with MCP interface

- Designed and operate an end-to-end ML system: DuckDB and Dagster pipelines, gradient-boosted models (XGBoost, LightGBM, CatBoost), and an MCP server deployed on Cloudflare Workers that serves daily predictions, prop analysis, and market-movement signals to Claude as the primary consumer.
- Built the evaluation discipline research demands: reconciled prediction performance (ROI, hit rate, calibration), closing-line-value analysis against market ground truth, and documented pre-commitment criteria gates before any decision-making authority expands.

Homelab ML and orchestration stack

- Run a self-hosted k3s, Dagster, and Postgres environment for pipeline orchestration and local model workloads, including ComfyUI video generation offload, replacing unreliable hosted cron infrastructure with owned, observable systems.