

Cameron Brill

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Experience

Headway *Tools Used: Python, DynamoDB, OpenAPI, Kafka, PostgreSQL, Terraform, TypeScript, Next.js, React, Sentry, Datadog* Remote
Software Engineer May 2022 – Present

- **Streamlined Engineer On-Boarding:** Improved new engineer onboarding through zsh scripts and readmes, taking the time for an engineer to be comfortably set up to develop from a week down to a day (**85% time reduction**).
- **Improved Codebase Experience:** Introduced extensive code quality tooling (linters, ast analyzers, typecheckers, formatters), integrated at the CI-level and IDE-level, giving engineers instant feedback that their code is correct.
- **Built Developer Experience Dashboard:** Created research-backed datadog dashboard giving developers and leaders a easy-to-digest overview of devex at Headway (i.e. relevant metrics about feedback-loops and cognitive load).
- **Optimized Testing:** Reduced the runtime of our test suite by **81%** (21 min -> 4 min), improved test suite flakiness with automated flake detection and custom linting rules, and integrated testing into the IDE, saving **>\$40k/week**.
- **Designed Insurance Benefit Platform:** Built company's first core platform securely around new data model, defining standards for platform development in an extremely fast growing engineering organization.
- **Frontend:** Worked with product & design to support new insurance features and improve/automate our contact form.
- Led insurance benefit platform accuracy and resiliency projects, improving profit margins by **>\$750k/month**.
- Optimized complex PostgreSQL queries, improving latency by **88%** (4 seconds -> <500 milliseconds).

Highlight *Tools Used: Go, AWS Products(ECS, EC2, S3, RDS), PostgreSQL, TypeScript, React, Datadog, Highlight* Remote
Software Engineer May 2021 – Jan 2022

- **Led Alerting Product:** Managed and developed distributed sliding-window alerting system.
- Engineered fault-tolerant and idempotent worker queue consumer using **Go and Postgres**.
- **Led Backend Errors Product:** Developed thread-safe, efficient *backend client* with Go and GraphQL.
- Responded to and resolved production bugs using Highlight, Datadog (Alerts, Metrics, APM), Slack bots, and Intercom.

Datadog *Tools Used: Go, Kafka, Java, TypeScript, React, Datadog* Remote
Software Engineer Intern Jan 2021 – May 2021

- Developed highly concurrent **Kafka consumer** micro-service in **Go**, deployed with **Kubernetes**
- Wrote reactive api service in **Java** with accompanying frontend in **React/TypeScript**.
- Optimized frontend routing in Python and components in **React/TypeScript**.

Dive Chat *Tools Used: Node.js, Go, Firebase, GCP Functions, React Native, Expo, GitHub Actions* Remote
Software Engineer Intern Aug 2020 – Dec 2020

- **Improved Code Quality:** Converted Node.js backend into well-linted logical **Go** services, improving latency by **1000%**.

Microsoft *Tools Used: Python, gRPC/gNMI, Telegraf, InfluxDB, Grafana* Remote
Software Engineer Intern May 2020 – Aug 2020

- **Modernized Network Telemetry Collection:** Instrumented gNMI data collectors, reducing latency by **99%** (5min -> 1sec).

State Farm *Tools Used: Java, Spring Boot, GitLab CI/CD* Dallas, TX
Software Engineer Intern May 2019 – Aug 2019

Reveal Modern *Tools Used: JavaScript, Python, WordPress* Dallas, TX
Software Engineer Intern Jan 2018–Apr 2018/Dec 2018–Mar 2019

Projects

TAMUhack *Tools Used: Python, PostgreSQL, Docker, Heroku, AWS S3, Cloudflare*
– Raised \$4k in sponsorship, led and mentored 5 student developers on registration system, website, and mobile app.

Education

Texas A&M University Aug 2018 – Apr 2020
GPA: 3.4/4.0; 2.5 years in coursework towards BS in **Computer Science**

Honors & Awards

MLH Top 50 Hacker of 2020: Top hackathon competitor out of **100,000**.

Winner of **17 hackathons**, including:

- Treehacks(Stanford) 2021
- hack:now(UC Berkley) 2020