Cameron Brill

brill.wtf/me

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Experience

Highlight — Remote
Software Engineer — Aug 2021 - Jan 2022
- Managed and developed distributed sliding-window alerting product using Linear, Notion, **Go, Typescript/React, and AWS [ECS, S3, RDS (Postgres)]**.
- Engineered fault-tolerant and idempotent worker queue consumer using **Go** and Postgres.
- Led Backend Errors product effort, developed open-source Highlight backend SDK with Go using channels, goroutines, and GraphQL.
- Responded to and resolved production bugs; directed product reviews with customers (CEOs, CTOs, and Engineers).

Software Engineer Intern — May 2021 - Aug 2021
- Built backend **GraphQL APIs** using **Go** and Postgres with frontend UIs in React/TypeScript.
- Created naive alerting product PoC using **Go** and Postgres.
- Effectively balanced fast-paced full-time internship while traveling/living in South Korea.

Datadog — Remote
Software Engineer Intern — Jan 2021 - May 2021
- Developed highly concurrent **Kafka consumer** microservice in **Go**, deployed with **Kubernetes**
- Wrote reactive api service in **Java** with acomponying frontend in **React/TypeScript**.
- Familiarized myself with multiple **Datadog** products to avoid production incidents.

Dive Chat — Remote
Software Engineer Intern — Aug 2020 - Dec 2020
- Replaced monolith Node.js backend with **Go** microservices, reducing backend latency by **1000%**.
- Developed cached **Redux** selectors in **Javascript** for a React Native app, reducing various load times by **400%**.

Microsoft — Remote
Software Engineer Intern — May 2020 - Aug 2020
- Built network telemetry PoC with **gRPC/gNMI, Telegraf, InfluxDB,** and **Grafana**, increasing data throughput by **3000%**.
- Automated global deployments of my PoC to Microsoft networking devices with Python.
- Coordinated with cross-org teams and Cisco contractors to adjust products for our project spec.

Projects

TAMUhack — *Tools Used: Python, PostgreSQL, Docker, Heroku, AWS S3, Cloudflare*
- Designed and developed backend for largest hackathon in Texas; led team of 5 on other project-fronts.
- Organized largest hackathon in Texas through organization/sponsor outreach and technical mentoring/workshops.

brill.wtf — *Tools Used: Go*
- Built url shortening client that I'm currently extending to support gRPC, REST, and GraphQL.

Education

Texas A&M University — College Station, TX
*GPA: 3.4/4.0; 2.5 years in coursework towards BS in **Computer Science*** — Aug 2018 - Apr 2020

Programming Skills

Languages	Go, TypeScript, Python, Java, C++, SQL
Web	GraphQL, REST, gRPC, NodeJS, React
Datastores	PostgreSQL, MongoDB, Redis, InfluxDB, Kafka
DevOps	Docker, Docker Compose, Kubernetes, GitHub Actions

Honors & Awards

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

Winner of **17 hackathons**, including:
- Treehacks(Stanford) 2021
- HackTX(UT) 2019/2020
- EarthXHack(Asterisk) 2020
- hack:now(Berkley) 2020
- Hack Quarantine(Hackathons UK) 2020