
Contact

Brian Petersen

github.com/brian-petersen

Tech Summary

Backend Development: Elixir, Rust, Node.js, Python, C#

Web Development: HTML, CSS, Javascript, React, GraphQL, REST

Databases: Postgres, Redis, MySQL

Environments: GitHub (CI/CD), Docker, Gitlab CI/CD, Kubernetes, AWS

Experience

Jasper / Staff Backend Software Engineer

APRIL 2022 - PRESENT; SLC, UT and REMOTE

Technologies: Rust, Node.js, Postgres, GitHub CI/CD, Argo

- Led the DevX team at Jasper. I met with engineers constantly to identify blockers and pain points in their engineering processes, then to ideate/implement solutions to those problems, and then delivered those solutions at scale. I treated engineers as a customer and built/delivered products that addressed their pain points.
- Wrote an internal Rust cli that engineers used daily to run their local stack (install deps, run dbs and Redis caches, migrate dbs), pull latest code, access dev secrets, access staging and production environments, etc. The cli streamlined common developer workflows and provided a reproducible developer base.
- Owned backend CI/CD. Wrangled our Node monorepo CI to run under 10 minutes. CI included unit and integration tests, Docker image building and vulnerability scanning, code linting, etc.
- Refactored a hot code path in our Node app in Rust. The service encoded/decoded large inputs that is heavily CPU bound. The service has five 9s of uptime, handles hundreds of requests per minute, and maintains a p90 under 15ms.

Divvy / Senior Backend Software Engineer

MARCH 2019 - SEPTEMBER 2021; SLC, UT and REMOTE

Technologies: Elixir (distributed), GraphQL, Postgres (RDS), Datadog, Splunk, AWS, Protobuf, Kubernetes

- Lead development team of four engineers for new credit card partner
- Led development of credit card payment application that handled \$1+ billion worth of payments with zero downtime and no PO bugs
- Advocated and implemented observability and monitoring for our high touch and critical third party integrations resulting in fewer production outages and quicker IR resolution
- Provided informal training and mentoring for many backend engineers through code review, pair programming, onboarding new engineers, etc.

InfiniD Learning / Full Stack Software Engineer

MARCH 2018 - MARCH 2019; OREM, UT

Technologies: Node.js, Docker, Kubernetes, AWS, WebSockets, React, Redux, GraphQL, Electron, MongoDB

- Led backend development by encouraging and implementing engineering best practices and architecting scalable solutions
 - Led operations by setting up scalable production environment using Kubernetes (*kops*) on AWS and instrumenting Prometheus and Grafana for monitoring and alerting
 - Built Gitlab CI/CD pipelines that increased shipping velocity and confidence
 - Designed migration plan from Java Swing desktop to cloud needed for business growth and agility
 - Defined MVP and set targeted milestones needed for launch for beginning of new school year
 - Involved in all aspects of kanban development cycle including gathering user requirements and writing user stories
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Education

Brigham Young University / Bachelor's in Computer Science

JANUARY 2016 - DECEMBER 2018, PROVO, UT