

# jayzbrown

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Full-Stack Engineer · Open Source Contributor

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## PROFILE

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Software engineer with 6+ years building scalable web applications and distributed systems. Passionate about developer tooling, clean APIs, and open-source. Led cross-functional teams shipping features to 2M+ users and reduced p99 latency by 40% through systematic performance work.

## TECHNICAL SKILLS

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<b>Languages</b>	TypeScript · Python · Go · Rust · SQL
<b>Frontend</b>	React · Next.js · Tailwind CSS · GraphQL
<b>Backend</b>	Node.js · FastAPI · PostgreSQL · Redis · Kafka
<b>Cloud / Ops</b>	AWS · Docker · Kubernetes · Terraform · GitHub Actions

## EXPERIENCE

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### Senior Software Engineer — Payments Infrastructure

Stripe · Jan 2022 – Present

- Architected a real-time fraud-scoring pipeline in Go processing 50k txn/s with sub-10ms p99.
- Reduced API error rates by 35% by introducing circuit-breaker patterns across 8 microservices.
- Mentored 4 engineers and led bi-weekly architecture reviews for the payments platform team.
- Shipped Connect onboarding v2, cutting merchant activation time from 5 days to 4 hours.

### Software Engineer — Edge Runtime

Vercel · Mar 2020 – Dec 2021

- Contributed core features to the Edge Runtime (V8 isolates), boosting cold-start by 60%.
- Built an internal A/B testing SDK adopted by 12 product teams across the organisation.
- Improved CI pipeline caching strategy, cutting average build time from 8 min to 2.5 min.

### Software Developer

Thoughtworks · Jun 2018 – Feb 2020

- Delivered full-stack features for a healthcare SaaS product (React + Django + PostgreSQL).
- Championed TDD adoption; team test coverage rose from 42% to 87% over two quarters.

## OPEN-SOURCE & PROJECTS

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### Fascia — [github.com/jayzbrown/fascia](https://github.com/jayzbrown/fascia) ★ 2.1k

Lightweight TypeScript dependency-injection framework with zero runtime overhead. Used in production by 80+ companies.

[\[TypeScript\]](#) [\[Rollup\]](#) [\[Vitest\]](#) [\[npm\]](#)

### pg-stream — [github.com/jayzbrown/pg-stream](https://github.com/jayzbrown/pg-stream) ★ 890

Go library for streaming Postgres WAL events to Kafka with exactly-once delivery guarantees.

[\[Go\]](#) [\[PostgreSQL\]](#) [\[Kafka\]](#) [\[Docker\]](#)

### devpod — Personal project

CLI tool that spins up reproducible dev environments from a YAML spec using Nix + Docker. Cuts new-hire setup from hours to minutes.

[Rust] [Nix] [Docker] [Shell]

## EDUCATION

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**B.S. Computer Science**

Lagos State University

2014 – 2018