

Infrastructure Engineer

Seattle

Build the infrastructure powering economic growth

Stripe's infrastructure powers businesses all over the world. We process payments, run marketplaces, detect fraud, help entrepreneurs start an internet business from anywhere in the world, build world-class developer-friendly APIs, and more. Traffic engineers are responsible for the path a request takes from the client up until it first arrives at one of our api servers.

Stripe doesn't process quite as many requests as Twitter or Facebook, but we do care a very great deal about reliability. Hundreds of thousands of businesses have staked their livelihood on Stripe; uptime and security are crucial to our continued success in the market.

We're looking for people with a strong background or interest in infrastructure engineering, systems, networking, security. We'd love to hear from you whether you're a seasoned infrastructure developer, or whether you've just learned you like working to enable other engineers build great software.

You will:

- Design, build, and maintain the core infrastructure used by all of Stripe's engineering teams

- Debug production issues across services and levels of the stack

- Plan for the growth of Stripe's infrastructure

- Build a great customer experience for people using your infrastructure

To get a concrete idea of what projects you might work on here, see the "Projects you could work on" section.

You may be a fit for this role if you:

- Think about systems — their edge cases, failure modes, and lifecycles

- Know your way around a Unix shell

- Can debug complex problems across the whole stack

- Focus on the needs of our users, both internal and external

- Hold yourself and others to a high bar when working with production

- Are able to write high quality code in a programming language (e.g. Ruby, Scala, Go).

It's not expected that any single candidate would have expertise across all of these areas. For instance, we have wonderful team members who are really focused on their customers' needs and building amazing user experiences, but didn't come in with as much systems knowledge.

Projects you could work on:

Traffic is comprised of three teams – Edge, Apiori Infrastructure (our cardholder environment), and Load. We have a ton of important work to do, which is why we're hiring! The teams work on items such as:

Implementing, operating, and expanding geographically distributed points of presence to reduce the latency and improve the reliability of connectivity to the Stripe API.

Ensuring the Stripe API is highly available and resilient to DDoS attempts.

Building the infrastructure that powers our cardholder environment (where the credit cards are!). - Making it safer to work in, easier to ship new code, more reliable.

Plan our next generation data storage for our card vault so that we can effortlessly scale horizontally. Find the most critical, performance sensitive Stripe endpoints... and break them (then help teams fix them).

Who you'll work with

At Stripe, we encourage you to write and speak about your work and share your knowledge! Also, we think it's important to get an idea of who you'll be working with. Here are a few Stripe infrastructure engineers giving talks! (If you don't like to give talks, that's fine – many very well-respected Stripe engineers don't.)

Cory Watson, ["Creating a culture of observability"](#)

Kiran Bhattaram, ["The Tales of the Cursed Operating Systems Textbook"](#)

Julia Evans, ["A swiss army knife of debugging tools"](#)

Evan Broder, ["The Architecture that Helps Stripe Move Faster"](#)

Oscar Boykin, ["Counting Approximately at Scale"](#)

Andreas Fuchs ["I'm not a number, I'm a free file descriptor!!"](#) (this talk isn't really about "work" so much as "interesting systems things", but it's a delightfully Andreas talk)

What's it like to work at Stripe?

Stripe is helping the internet fulfill its potential as a platform for economic progress by building software tools that accelerate global economic access and technological development. Stripe makes it easy to start, run and scale an internet business from anywhere in the world.

Stripe is, at its heart, an engineering company. To provide a missing pillar of core internet infrastructure, we hire people with a broad set of technical skills (and from a wide variety of backgrounds) who are ready to take on some of the most challenging problems in the industry – from reliably handling 100M API requests per day, to building adaptive machine learning as a result of years of data science and infrastructure work, and enabling entrepreneurs worldwide to start a global internet business.

We look at Stripe as a constant work in progress and the same is true of our people; for all of us, we believe the best is yet to come. We're here to support each other in our curiosity and creativity – which we pursue through thoughtful discussion and knowledge-sharing among a diverse set of peers and colleagues.

We encourage all engineers to transition teams once every year and a half and also take on short-term projects with other teams across Stripe. This enables engineers to learn how different parts of Stripe work while also establishing stronger ties and cross-pollination between groups.

We contribute to existing open-source projects and the people working on them, and we release several tools as open-source.

We want to work in a company of warm, inclusive people who treat their colleagues exceptionally well. The kind of people who are committed to going out of their way to help other Stripes in the short-term and pushing them to improve over the long-term (by helping them to get better at what they do).

We're a highly cross-functional organization and view that as part of the fun: we design our space to encourage as much collaboration as possible. We have long tables in the kitchen for a reason (to enable everyone to meet new people and learn from them). We also have a culture of transparency that we carry through to email communication, ensuring that Stripes all around the world have the information they need to make good local decisions.

In both our products and our people, we aim to reflect, represent and advocate for all of our users, globally. Our users transcend geography, culture and language; what we share, collectively, is a drive to create a fairer, more economically interconnected world.

We look forward to hearing from you.

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