Louis Barthonet

Software Engineer

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lbarthon
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Experiences

10/2022 - Present **Software Engineer**, *Cloudflare*, London, United Kingdom.
Challenges and Turnstile team - Turnstile is an accessible reCAPTCHA alternative.
- Led a rewrite of our code base from JavaScript to **Rust**, opening the door for further scaling and product ideas.
- Built brand new obfuscation techniques that forced all CAPTCHA solving services to run a **real browser**, while ensuring our detections remain hidden as long as possible.
- Built a **HAR analyzer** allowing support to troubleshoot issues, and reducing escalations coming to the team.

12/2021 - 10/2022 API Shield team - helping our enterprise customers protect their APIs.
- Optimized our threshold suggestion algorithm, using **ClickHouse** & **Go**, making computation **300%** faster.
- Built a **sequence analysis** platform, helping customers and engineers understand how their APIs are used.
- Eased onboarding to our product, removing all engineering tasks previously required when onboarding new customers.

12/2019 - 10/2021 **Software Engineer**, *Fastory*, Part-Time (75%), Paris, France.
Fastory helps businesses increase their conversions through attractive mobile experiences.
- Reduced CSV generation process time by **85%**, replicating SQL data in Elastic, increasing search performances.
- Reduced the static error rate by moving the projects to TypeScript.
- Migrated all our infrastructure from Heroku to **AWS**, using RDS & Fargate, lowering off-peak costs by 50% and allowing us to scale automatically.

05/2019 - 12/2021 **Software Engineer**, *Erisium*, Contractor, Paris, France.
Erisium provides video game servers for **2,500+** concurrent players.
- Developed new games in Java.
- Extended our centralized Leader-Follower system, adding logic to orchestrate server deployment.
- Developed the front-end of an internal panel in React to manage our services.
- Reviewed code for the public-facing website visited by thousands of users every day, built with Next.js.

Education

2018 - 11/2021 **Master's Degree**, *42 School*, Paris, France.
Master's Degree (equivalent) in Computer Science.

Skills

Programming **Languages:** Rust, Go, JavaScript, Java
Frameworks: Axum, napi-rs, React, Next.js, Node.js

Databases PostgreSQL, ClickHouse, Redis, ElasticSearch

Others Kafka, Docker, Kubernetes, RabbitMQ, Terraform

Languages

French, English