John Isom

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Product & customer focused backend software engineer. I do my best work and love working on the backend, working with the various systems and architectures, and solving the unique problems there. Human oriented.

Professional Experience

Fullstack Software Engineer, *DeepL*   Feb 2024 – present
- Led C# MVP for sharing glossaries, collaborating with stakeholders and very closely with product. Delivered feature well ahead of roadmap, providing a very valuable and highly-requested feature.
- Worked closely with Senior and Principal Engineers, delivering Glossary Generator, a pillar of the new corporate strategy, under tight deadlines.
- Universally appreciated colleague, creating deep connections and enabling my teammates wherever go. Lending my specific experience cross-team, pushing forward new topics for discussion, setting up team rituals and fostering a close, collaborative environment. "The best code reviewer", "Doesn't shy away from responsibility", "Celebrates success of team members", "I never felt this way about a colleague leaving".

Software Engineer, *Prime Trust*   Jan 2022 – Aug 2023
- Reduced monthly operating costs by $120k by building and integrating a new ledger system with millions of transactions and by improving business logic.
- Learned and ran learning sessions for Docker & Docker Compose and Kafka, introducing the tech to the org.
- Set up Kafka and set up data pipelines between multiple Ruby and Typescript services.
- Dockerified the monolith and pioneered the use of Docker in all future services.
- Created new TypeScript Node.js services, automating manual processes to be more accurate and efficient.
- Worked with Staff Engineers to set up inter-service authentication.
- Onboarded and mentored a new teammate, ran meetings, and created an optional and successful biweekly team social hour.

Software Development Engineer III, *GoDaddy*   Nov 2020 – Jan 2022
- Led the adoption of a new attachment backend in our Rails app, managing and executing the seamless migration of 20 million file attachments with no downtime or performance issues using multi-threading.
- Created a new column in a database table with 118 million+ records and backfilled the values with minimal downtime.
- Spearheaded migrating a massive monolithic Rails app from Rails 5 → 6, unlocking the team.
- Designed and added drop-in encryption for sensitive fields in our database with full backward compatibility and no downtime.

Co-Creator & Software Engineer, *Maestro Framework*   Jul 2020 – Oct 2020
Open-source, easy-to-use framework for quickly bootstrapping serverless orchestration workflows.
- Created a framework that is over 60x faster to deploy than the fastest competitor (AWS SAM).
- Co-authored a detailed case study that explores the area of serverless orchestration, existing solutions in the problem space, and the process of creating Maestro (https://maestro-framework.github.io/ ⧉).

Languages and Technologies

Languages — Ruby ∣ TypeScript ∣ C# ∣ SQL, **Frameworks** — Rails ∣ express.js ∣ ASP.NET, **Cloud** — AWS ∣ Kafka ∣ RabbitMQ ∣ Docker & Docker Compose, **Other** — Linux ∣ Git ∣ GitHub ∣ Postgres ∣ Ceph ∣ Protobuf ∣ gRPC

Education

Western Governors University,   2021 – 2023
Bachelor of Science in Computer Science

Launch School, *Software Engineering* ⧉   2019 – 2020