

Luca Furst

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Software Engineer

4 years of software engineering experience. Developed and maintained business critical infrastructure on AWS/GCP. Experience working on-call in fast-paced startup environments.

WORK EXPERIENCE

Mathpix • Brooklyn, NY • 07/2023 - 08/2023

Senior Backend Engineer

- Improved CI performance and cost
- Helped Sales team track deals by syncing thousands of records from Stripe to sales CRM
- Worked with CEO to create new pricing models for the company's service

Lightning AI • New York City, NY, USA • 10/2021 - 03/2023

Platform Engineer

- Saved over \$2mil/year in cloud costs by finding and mitigating resource leaks
- Lead effort to make our platform SOC-2 compliant
- Built and maintained core backend components and user-facing features
- Fixed product outages caused by critical issues in AWS/GCP infrastructure while on-call
- Investigated & reduced high CPU load on our production database by refactoring SQL queries and managing indices (making some queries 10x faster)
- Built our testing pipeline using GitHub workflows, improving team code quality
- Built Grafana dashboards for both executives and platform team to improve system observability (using Prometheus, Loki)

Beyond Limits • Glendale, CA • Full-time • 06/2019 - 10/2021

Software Engineer

- Built REST and GRPC APIs for core business features in Python and Go
- Built tools to automatically clean and ingest raw sensor files from oil wells
- Deployed ML models built by the Data Science team

EDUCATION

B.Sc. Computer Science

McGill University • Montreal, Quebec, Canada • 08/2015 - 05/2019

Courses included: Compilers, Distributed Systems, Computer Vision, Natural Language Processing, Applied Machine Learning, Artificial Intelligence, Robotics

SKILLS

Go, Python, Kubernetes, AWS, GCP, PostgreSQL, Terraform, Docker, GitHub Workflows, gRPC, Unix, SQL