Ryan Lopopolo

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EXPERIENCE

Senior Staff Software Engineer — 2021 – present
Brex — Go, Python, Bazel, SQL

Group Tech Lead for Brex's developer productivity org of 5 teams, 35 engineers, 5 managers which serves 350 engineers.

Prevented 20 L1/L2 incidents per quarter with automated pre-production acceptance testing in staging. Saved 2,520 eng hours per quarter by canceling failed repo migration and pivoting to build optimization. Improved developer sentiment 5% QoQ for 3 quarters by restructuring org to persona-oriented teams. Saved 600 eng hours per quarter by optimizing high-traffic tooling to be 700% faster.

Staff Software Engineer — 2017 – 2021
Stripe — Ruby, SQL, Python, Spark

Payments	Payments Tech Lead for Global LATAM group of 2 teams, 15 engineers, 2 managers. Increased profits in Brazil by R$26M per month by leading rewrite of fee collection system. Built regulatory reporting system that processed more than 100M payouts per day.
Infra	Founding engineer of the AWS cloud cost optimization team, grew team to 6 engineers. Reduced AWS spend by more than $40M by automating reserved instance purchases. Reduced AWS spend by more than $70M by gamifying cost savings across engineering. Eliminated AWS budget reforecasting by building patented cost attribution system.

Platform Engineer — 2016 – 2017
Citadel LLC — Python, Ansible, Packer, Terraform

Senior Software Engineer — 2012 – 2016
Box — Scala, PHP, Objective-C, Go

EDUCATION

Bachelor of Science in Computer Science and Engineering — 2007 – 2012
Massachusetts Institute of Technology

OPEN SOURCE

Creator and Project Lead — 2019 – present
Artichoke Ruby — Rust, Ruby, TypeScript, Terraform

Artichoke is a Ruby implementation written in Rust and Ruby. For additional information, see the code at `https://github.com/artichoke/artichoke` and a Wasm demo at `https://artichoke.run/`.