JOSEPH PEREZ

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SKILLS

- **Languages:** Elixir, Go, Ruby, JavaScript, Python, C/C++, HTML/CSS
- **Frameworks**: Phoenix, Ruby on Rails, React, Vue, Django
- **Technologies:** Kubernetes, Jenkins, ArgoCD, Argo Rollouts, Terraform, Kafka, AWS, MySQL

EXPERIENCE

Intuit, Software Engineer Intern   September 2023 - Present
- Led migration of authentication system used by **all builds at Intuit**, changing AWS role assignment in Jenkins Kubernetes pods from kiam to IRSA - over 100,000 builds per day
- Researched and found solutions to backwards compatibility issues with IRSA, sending notifications to teams with these issues, and creating documentation used company-wide
- Merged 2 pull requests into ArgoCD, an open source repository with 15,000 stars

PagerDuty, Software Engineer Intern   January 2023 - April 2023
- Reduced number of queries to MySQL database by **600,000 per minute** by diagnosing and fixing N+1 query in high traffic Ruby on Rails controller
- Migrated service from HashiCorp Nomad to Kubernetes, debugging manifest files, provisioning AWS resources using Terraform, fine tuning DataDog monitors, and setting up integration with internal PagerDuty for alerts
- Built foundation for switch to on-demand caching by creating Erlang Term Storage (ETS) tables in Elixir, **speeding up rollback times** by replacing slow reading from a compacted Kafka topic

theScore, Software Developer Coop   May 2022 - August 2022
- Maintained most heavily trafficked Ruby on Rails and Phoenix (Elixir) APIs used by **4.2 million active monthly users** by fixing bugs from Jira, investigating errors found on DataDog or Splunk, reviewing GitHub pull requests, adding automated tests, rotating API keys, and improving onboarding and code setup documentation

GrantMatch, Junior Software Developer   May 2021 - December 2021
- Improved creation and distribution of quotes by creating a **full stack payment system** powered by Stripe
- **Onboarded new engineering hires** to codebase, tech stack and best practices

PROJECTS

Fooder   [https://github.com/josephperez3/fooder-backend]
- Built a **React** website with Node backend to connect people real-time, helping people decide where to eat

EDUCATION

University of Waterloo, Bachelor of Computer Science   2020 - Present
- Computer Science Club events coordinator lead
- Relevant Coursework: **Algorithms, Data Structures, Operating Systems, Databases, Networking**