

Juan Rios

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Work Experience

Software Developer II, UPS

02/2020 - Current

Skills used: Angular, TypeScript, SQL, Go, Spanner, PubSub, Kubernetes, Google Cloud Platform

- Architected new notification delivery services to be event-driven with Cloud Pub/Sub, Go, and GKE to handle over 100,000 messages per minute
- Refactored notification building services to be more generic using a template-based strategy with Go
- Developed PoC reports feature resulting in a potential user increase of 5,000 and savings of ~\$1.3 million
- Led globalization backend, frontend, and DB updates allowing the project to support thousands of global users
- Worked on application transition from on-prem authentication to Azure AD and Azure OAuth 2.0
- Ran stand-up meetings, conducted code reviews, interviewed 20 candidates, and mentored 6 total developers

Contributor/Frontend Lead, <https://RebuildBlackBusiness.com> (RBB)

06/2020 - Current

Skills used: Gatsbyjs, Reactjs, GraphQL, Airtable, ChakraUI, Cloudinary, Accessibility

- A website to help Black-owned businesses rebuild by offering visibility, donations, and a directory of allies
- Helped launch the website to thousands of users nationwide along with thousands of page views
- Managed the frontend community on Discord, reviewed PRs on Github, helped onboard hundreds of developers

Software Developer I, UPS

01/2019 - 01/2020

Skills used: Angular, TypeScript, GraphQL, Go, Spanner, BigQuery

- Refactored 50+ frontend components involving improvements to state handling, accessibility, and typings, making it easier for future developers to implement features faster and with more confidence
- Built a Go REST API using go-swagger for other teams to consume trailer data in Cloud Spanner
- Built a Go service for handling thousands of package scan events using Pub/Sub and inserting into Spanner
- Converted REST endpoint to GraphQL and implemented the client changes using Apollo Client as a PoC

Software Developer Co-op, UPS

09/2017 - 12/2018

Skills used: Angular, TypeScript, Java, Spring Boot, MS SQL Server, SQL, Git, Jenkins, OpenShift

- Developed profile management UI where users can create, edit, and delete mobile/email subscriptions
- Improved the runtime of a Java DB insertion service by more than 250% by making it asynchronous

Undergraduate Research Intern, Carnegie Mellon University, HCII

05/2018 - 08/2018

Skills used: JavaScript, Node.js, tmi.js

- Developed two open-source Twitch bots to aid HCI researchers in conducting experiments on Twitch

Projects

go-gen - <https://github.com/juanri0s/go-gen> - Go

06/2020

- CLI and API to provision new Go services based on user-given specs that supports project name, owner, version, copyright, license, description, endpoint, gitignore, private status, imports, and more
- Takes advantage of Go's template, http, and os execution packages to turn specs into a runnable go project

Education

B.S. Computer Science, New Jersey Institute of Technology - Magna Cum Laude - 3.84 GPA

12/2018