

# Juan Rios

Email: [juansebrios@gmail.com](mailto:juansebrios@gmail.com) Github: [github.com/juanri0s](https://github.com/juanri0s) Personal: <https://jsrios.dev>

## Work Experience

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### Software Developer II, UPS

02/2020 - Current

*Skills: Angular, TypeScript, SQL, Go, Spanner, PubSub, Kubernetes, Google Cloud Platform, Scrum Master*

- Architected new notification delivery services to be event-driven with Cloud Pub/Sub, Go, and GKE to handle at least 60,000 messages per minute
- Designed 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 development for adding global support to our analytics dashboard to support 10,000 new 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: Gatsbyjs, Reactjs, GraphQL, Airtable, ChakraUI, Cloudinary*

- Contributed to About page, 404 page, accessibility updates, style consistency, unit tests, and E2E tests
- Helped launch the website to thousands of users nationwide along with thousands of page views
- Managed the frontend community on Discord, conducted code reviews, helped onboard developers

### Software Developer I, UPS

01/2019 - 01/2020

*Skills: Angular, TypeScript, GraphQL, Go, Spanner, JMeter, Locust, 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, Spanner, and GKE to handle 15,000 requests per second from other teams
- 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: 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: JavaScript, Node.js, tmi.js*

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

## Projects

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

06/2020

- Developer tool to aid teams in generating Go projects and services on Github based on user-given specs such as their project name, owner, version, description, endpoint, and more
- Takes advantage of Go's template, http, and os execution packages to turn specs into a runnable Go project

## Education

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**B.S. Human-computer Interaction**, New Jersey Institute of Technology - Magna Cum Laude - 3.84 GPA

12/2018