Shravan Gajjela

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Skills

Languages	Ruby, Python, C, C++, Java, JavaScript
Technologies	Ruby on Rails, MySQL, Git, Express, Flask, Memcached, Kubernetes

Experience

Facebook
Production Engineer Intern   *May. 2019 - Aug. 2019*

- Designed and created an **A/B testing framework** for performance testing widely distributed binaries
- Tested for **memory** and **CPU** performance regressions using shadow traffic on **high traffic cache servers**
- Wrote a job scheduler to enqueue and dispatch jobs in parallel using **locks** and a **distributed key value store**

Shopify
Software Developer Intern   *Sept. 2018 - Dec. 2018*

- Designed and implemented a throttling module in **Rails** using **Memcached** to limit merchant API usage
- Routed webhooks to their own pods in **Kubernetes** and added pressure release valves for jobs
- Launched a feature to allow merchants to embed discounts in their ads, used by **50%** of all ads created
- Created a **GraphQL API** to distribute **$1.3 million** in Facebook Ad Coupons to eligible merchants

Shopify
Software Developer Intern   *Jan. 2018 - Apr. 2018*

- Increased log in security by adding support for additional two-factor auth methods using **Amazon SNS**
- Wrote background jobs for **Sidekiq** to send IP based new device notifications as well as account audits
- Added stemming to **Elasticsearch** for Shopify Burst which increased image downloads by **14%** and reduced search refinement by **5%**

TD Bank
Software Developer Intern   *May. 2017 - Aug. 2017*

- Created a dashboard in **Angular** to allow financial advisers to manage their customers at scale
- Designed and built a prototype of a streamlined bill payment experience app for **Android**

Projects

Bookful.ca

- An app that helps University of Waterloo students find textbooks with powerful search tools
- Built a back-end server in **Ruby on Rails** to scrape, parse, and sanitize data using background jobs

Messenger Bot

- Bot for Facebook Messenger that serves content from various sources automatically or upon user request
- Created a backend server in **Flask** that packages information and serves it to all subscribed users

Education

University of Waterloo
Bachelor of Software Engineering   *Sept. 2016 - Apr. 2021*