Shravan Gajjela

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Skills

Languages	C++, Python, Ruby, Java, SQL
Technologies	Ruby on Rails, MySQL, Git

Experience

Facebook *Menlo Park, CA*
Software Engineer Intern *Jan. 2020 - Mar. 2020*
- Decreased AdIndexer debug tool run time by 10x by leveraging parallelism and removing bottlenecks
- Reduced network bandwidth by 50% and memory by 15% in Ad Ranking Data Service (ARDS) by adding support for fetching remote ad embeddings
- Designed and implemented a new sharding mechanism to asynchronously fanout and aggregate responses between ARDS and AdRanker

Facebook *Menlo Park, CA*
Production Engineer Intern *May. 2019 - Aug. 2019*
- Designed and created an A/B testing framework to test performance of 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 a distributed key value store

Shopify *Toronto, ON*
Software Developer Intern *Sept. 2018 - Dec. 2018*
- Designed and implemented a throttling module in Rails using Memcached to limit merchant API usage
- 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 *Toronto, ON*
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 *Kitchener, ON*
Software Developer Intern *May. 2017 - Aug. 2017*
- Created a dashboard in Angular to allow financial advisers to manage their customers at scale
- Implemented a multi-platform real-time chat system for advisers and their clients using Firebase
- Designed and built a prototype of a streamlined bill payment experience app for Android

Education

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