

Asad Awadia

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<https://asad-awadia.github.io/me/>

Skills

- Strong programming skills in Kotlin, and Java 8
- Experienced with AWS, RxJava, Go, gRPC, Rest, Docker, Kubernetes, Firebase, MySQL, Redis, and Bash
- Understanding of Google Cloud Platform, Vert.x, Prometheus, Grafana, Istio, and Graph Databases
- Familiar with web technologies such as Node, Vue.js, and Bulma CSS
- Foundational knowledge of Android development

Projects

- Developed a landing page using Material Design Bootstrap: <https://asad-awadia.github.io/ds/index.html>
- Implemented a portfolio tracker using Kotlin coroutines: <https://github.com/asad-awadia/portfolio-tracker>
- Programmed an Instagram picture downloader: <https://github.com/asad-awadia/InstagramDownloader>

Experience

Backend Developer – TextNow Inc. – Waterloo, Canada

[May 2018 – Present]

- Added functionality to support group MMS
- Developed push notifications proxy using Kafka and Go
- Upgraded TextNow server backend from PHP 5.6 to PHP 7
- Shipped consistent contact avatars across all platforms

Server Developer – Coop – Kik Interactive, Inc. – Waterloo, Canada

[September 2017 – December 2017 | January 2017 – April 2017 | May 2016 – August 2016]

- Led and implemented a complete database backfill for 350 million users, reading from Amazon Dynamo and writing to Cassandra with multiple partitions, parallel processing, retries, timeouts, checkpoints and error files
- Refactored Spark based law enforcement application from Amazon EMR to Databricks Spark platform bringing down processing time from days to hours
- Implemented Cassandra warehouse consistency check and read repair, with a check on configurable percentage of read requests, logging inconsistencies to Datadog
- Migrated web application backend completely to use Amazon RDS instead of Amazon S3, decreasing page load time from 4 seconds to 12 milliseconds
- Developed new gRPC service to upload, remove and moderate profile pictures
- Added support for User Interests feature with validation and localisation
- Incorporated message guards to drop malicious messages from hacked clients
- Set up a production mirror image environment to beta test new features for web application

Software Engineer – Coop – Interset Inc. – Ottawa, Canada

[September 2015 – December 2015]

- Worked on cross platform Java application to anonymise and upload data from Splunk SIEM to Amazon S3
- Developed a data processing pipeline starting from Active Directory authentication data in Windows Event Log and ending up in the Interset analytics product
- Implemented changes in desktop application to improve efficiency when uploading files greater than 20GB
- Set up a complete build system using Jenkins and Linux Slaves to allow continuous integration of software

Education

University of Waterloo – Bachelor of Computing and Financial Management

[September 2013 - April 2018]

- Cheriton School of Computer Science and School of Accounting and Finance
- Scored in the 98th percentile in the Bloomberg Aptitude Test

Other Experience

Developmental Student – Coop – Amec Foster Wheeler Nuclear Canada – Toronto, Canada

[January 2015 – April 2015]

Junior Accountant – Coop – Canadian Steel Network, Inc. – Mississauga, Canada

[May 2014 – August 2014]