

Asad Awadia

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<https://asad-awadia.gitlab.io/blog/>

Skills

- Strong programming skills in Kotlin, and Golang
- Experienced with Vert.x, AWS, gRPC, Rest, Docker, Kubernetes, Postgres, Redis, and NoSQL
- Understanding of system observability using monitoring, distributed tracing, and log aggregation
- Familiar with web technologies such as Node, Vue.Js, and Bulma CSS
- Foundational knowledge of Android development, ScyllaDB, CockroachDB, and Graph Databases

Experience

Backend Developer – TextNow Inc. – Waterloo, Canada

[May 2018 – Present]

- Built a high throughput service to persist internal events to Kafka
- Developed a low latency service to serve as TextNow's Phonebook using DynamoDB
- Breaking out authentication mechanism from the server monolith into its own microservice
- Upgraded TextNow server backend from PHP 5.6 to PHP 7
- Mentored coops and conducted interviews for developer positions ranging from coop to senior
- Engaged external teams, wrote documentation, setup QA plan, and timelines for product development
- 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