

abdullah ali

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[2015, 2020] **University of Toronto, St. George.**  
Honours Bachelor of Science (*w/ distinction*)  
Computer Science Major, Math

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02/2023 **Software Engineer III**, Google, New York, NY.

- Key Management Service on Google Distributed Cloud Hosted. Part of an initiative to offer an air-gapped managed cloud solution for customers with stringent requirements, see JWCC with the DOD.
- Worked to create an external key store with the key management service where customers have the ability to store their encryption keys in HSMs (hardware security modules).
- Implemented performance improvements to the key management service to help reach a 3,000 QPS SLO. Designed and helped with KMIP support so that the key management service works with HSMs that aren't tied to a specific vendor improving overall security.
- 24x7 oncaller debugging complex issues on deployments live with a 30 minute response time.

*Go, Kubernetes, Docker*

[07/2020, **Software Engineer I → II**, Oscar, New York, NY.  
02/2023]

- Broker Commissions Team. Migrated the payments platform to a multi-tenant design with company-specific branding and logic as part of a SAAS initiative. This facilitated the onboarding of external partner Health First's 16,000+ membership onto internal systems supporting Medicare Advantage.
- Added support for external broker payments as part of a joint venture with Cigna supporting remittance of \$1mill+ in commissions. Designed and implemented email infrastructure to support co-branding and modified core commissions computation logic to distinguish between internal and external business.
- Designed and developed an automated invoice generator alongside a web platform for Medicare broker commissions replacing a manual operations driven process..

*Python, Go, SQLAlchemy, GRPC, Postgres, Kafka, Mesos+Aurora, Kubernetes, Javascript/React*

[01/2019, **Software Engineer Intern**, Flexport, San Francisco, CA.  
06/2019]

- Key contributor to a service that fetched marketplace information and automatically generated invoices for clients, added support for trucking insurance on said service (covering >\$1m. in financial risk).

*Ruby/Rails/React*

[05/2018, **Software Engineer Intern**, Amazon, Toronto, ON.  
08/2018]

- Created a filtering process that removed unnecessary service data to reduce disk I/O activity resulting in 70% improvement in processing latency and savings of \$30,000 monthly, also added multithreading to reduce latency and adhere to SLAs

*Java*

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Python, Java, Ruby, C, C#, Javascript | AWS, React, GraphQL

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- Code Nation (virtual instructor for students at underresourced highschoools)
- Black Students Association
- African Students Union
- UofT Volunteer Notetaker for Accessibility Services