

James Leong

james.leong94@gmail.com
github.com/jyleong
linkedin.com/in/jamesyleong

Technical Proficiencies

- **Languages:** Go, Python, Java, JavaScript/TypeScript, SQL, Bash
- **Data Storage:** Postgresql, RDS, MySQL, MSSQL, ElasticSearch/OpenSearch, DynamoDB
- **Messaging/Communication:** Redis, Kafka, JSON, gRPC
- **Ops/Infra:** Git (Github, Gitlab), Jenkins, Docker, Prow, Datadog, OpsGenie, Terraform, Kubernetes

Professional Experience

Software Engineer – *Motive* (formerly *KeepTruckin*), Vancouver, BC Apr 2021 – Present

- Enhanced end-to-end experience on Smart Load Board with a stricter verification process and surfacing the response, leading to increases in direct actions
- Built a promotional email pipeline using Kafka, which consumes load recommendations from Data Science model drawing customer attention to loads, leading to a visible increase in weekly engagement
- Re-architected existing project with OpenSearch as the data storage as a complex integration to support 3x write traffic while reliably serving results

Software Engineer – *Dialpad*, Vancouver, BC Aug 2019 – Mar 2021

- Exposed presence and state support for desk phone hardware using the SIP Publish and Presence frameworks to synchronize the phone states, leading to a seamless experience with Dialpad's soft clients
- Simplified desk phone activation and registration process with a self-hosted activation server, reducing the complex UI/UX flow and redundant reboot cycles
- Extracted call statistics from hardware into Google Datastore and BigQuery for analytics, providing users and administrators with insights about calling behaviour
- Upgraded legacy desktop software, created tools to monitor and diagnose future unknown dependencies

Full Stack Developer – *BSM Technologies*, Burnaby, BC Jan 2018 – Aug 2019

- Built analytics dashboard for the fleet tracking industry, giving dispatchers' knowledge and context into their data
- Demonstrated proof of concept data pipeline and Extract, Transform, Load process, which influenced company to migrate applications and infrastructure onto the cloud
- Added user analytics to existing applications, providing product design teams with customer insight for informative feature decisions

Junior SW Dev/SDET Co-op – *Neurio Technologies*, Vancouver, BC Dec 2016 – Sept 2017

- Designed, built and integrated CI/CD with AWS Code Pipeline to build, test and release current front end and REST API increasing test coverage to 70%
- Built a Flask web application as a testing infrastructure to schedule, compile, execute, measure and log builds to test the results of their new storage optimization analytics software
- Extended and refactored Python/Java/Jenkins automation framework for public REST APIs, streamlining the CI pipeline and providing robust coverage before release

Software Test Engineer Co-op – *Schneider Electric*, Burnaby, BC Sept 2015 – Apr 2016

- Automated front end regression testing with Python/Selenium allowing team to iterate with confidence
- Refactored embedded system automation codebase, leading to a system executing faster with readable output

Software and QA Developer - *SFU Ancillary Services*, Burnaby, BC May 2015 – Jan 2016

- Developed Official SFU iOS App, which equips current and future students with a portal to all school services

Education

Bachelor of Science, Major in Computer Science
Simon Fraser University, Burnaby, BC