

WORK EXPERIENCE

Tech Lead and Manager (L5)	Dgraph Labs	July 2020 – Present
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- Lead a team of 5 engineers working on Dgraph (Distributed Graph Database), Badger DB (embeddable key value store) and Ristretto (High Performance in-memory concurrent cache).
- Lead the development of core features such as Multi-Tenancy, Learner Nodes, Audit Logs, etc.
- Implemented Manual Memory Management which significantly reduced the memory requirements of Dgraph.
- Contributed to major improvements to Badger's Compactions, Data Streaming Capabilities and Disk Usage.
- All of my contributions can be found on my GitHub profile github.com/jarifibrahim.
- Joined as a L3 Software Engineer and was promoted twice in 18 months.

Senior Software Engineer (L4)	Dgraph Labs	April 2019 – July 2020
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- Lead and Maintainer of Badger DB <https://github.com/dgraph-io/badger> - A fast, embeddable key value store written purely in Golang. Badger DB is a performant alternative to RocksDB (written in C++).
- Improved DB Open speed by 5X, iteration speed by 2X and disk usage by 12X (because of improvements to WAL garbage collection).
- Worked on adding support for background compression and caching. Added support for streaming delta snapshots.
- Second highest contributor to the codebase after the original author. Badger is used in production by New York Times, Grab, Protocol Labs and more.

Software Engineer	Red Hat	September 2017 – April 2019
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- Worked on building the next generation console for Openshift. Hands on experience with building Kubernetes native resources (Operators).
- Worked as a Backend Engineer, building microservices with Golang, Docker, Openshift and Postgres for Open-shift.io - a SaaS which features everything a team needs to build container-native applications.
- Joined as an intern, got converted to Associate Software Engineer and promoted to Software Engineer in nineteen months.

The Apache Software Foundation	Google Summer of Code Intern	April 2016 – August 2016
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Smoke Tests and Continuous Integration Infrastructure for Apache Open Climate Workbench

- Added unit tests and improved the test coverage from 59% to 80%.
- Configured Continuous Integration builds on Travis CI (Build + tests), coveralls.io (code coverage) and landscape.io (code quality).

Software Development Intern	Ashoka Globalizer	July 2016 – October 2016
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- Designed and implemented a dashboard in Google Spreadsheets to manage teams. Wrote Google App Scripts to automate everything.
- Supports features like automatic reminder emails, welcome emails, team status indicators, dynamically generated Google forms.

Committer and Project Management Committee Member	The Apache Software Foundation	March 2016 – Present
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- Contributing features, improvements and bug fixes to Apache Open Climate Workbench.

EDUCATION

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| • Bachelor of Engineering (B.E.) – Computer Engineering. CGPA: 8.43/10 | May 2017 |
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SKILLS AND TECHNOLOGIES

Golang; Profiling and Benchmarking; Kubernetes; Containers/Docker; Database Internals; API Development;