

PALASH NIGAM

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SUMMARY

- Experience with backend web services and open source development. Interested in distributed systems, dev tools and systems programming.
- Go, Python, Rust, Ruby; Git, ElasticSearch, MongoDB

EXPERIENCE

Cloud Native Computing Foundation

Community Bridge Intern

Remote

Jul – Aug '19

- Wrote a plugin to serve DNS records from Google Cloud DNS to coredns.

Atlan

Software Development Intern (Backend)

New Delhi, India

May – Jun '19

- Rewrote [Collect](#)'s Analytics API (originally in Python) in Go and deployed it on GCP.
- Ported parts of the Collect monolith from NodeJS to Go.
- Proof of Concept on improving Collect's ElasticSearch cluster topology.

Appbase

Software Engineering Intern

Remote

Sep '18 – Jul '19

- Wrote an adaptor to sync data between Redis and Elasticsearch for a data ingestion pipeline named [abc](#) in Go.
- Implemented cluster management and analytics support for [abc](#).
- Wrote unit and integration tests for an [Elasticsearch API Gateway](#)

coala Association e.V.

Google Summer of Code Student

Remote

May – Aug '18

- Improved [coala](#)'s I/O mechanism by implementing FileFactory - an abstraction layer to interface with files and enable lazy loading.
- Integrated FileFactory with coala's old core by implementing a middleware thereby ensuring backwards compatibility and enabling further enhancement of the Nextgen Core.
- Wrote a Persistent Hash module for generating unique hashes for coala's task objects to improve the cache accuracy.

PROJECTS

- **wc-rs** – [Rust port](#) of the wc unix command. 2.5X faster than GNU wc
- **fist-rb** – [A TCP client library](#) for the FIST server in Ruby
- **Unirest-go** – Kong's Unirest protocol [implemented in Go](#)
- **foaas-cli** – [CLI tool](#) for FOaaS API with 100+ stars on Github

Open-source contributions: [google/go-github](#), [coala](#), [ethereum](#), [coredns](#) and [various others](#)

VOLUNTEER EXPERIENCE

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| 2018 | Github Campus Expert | Introducing OSS development in my campus. |
| 2018 | Google Code In Mentor | Mentored High School students in OSS development. |
| 2018 | Programming Society Head | Led the college programming club. |

EDUCATION

International Institute of Information Technology, Bhubaneswar

Bachelors of Technology in Computer Science and Engineering

Aug '16 – Jul '20