

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, Clojure, Elixir; Git, ElasticSearch, MongoDB

EXPERIENCE

Hackerrank *Bangalore, India*
SDE Intern Jan '20 – Present

- Working on a git analytics dashboard to be used by engineering managers and CTOs.

Cloud Native Computing Foundation *Remote*
Community Bridge Intern Jul – Aug '19

- Wrote a [plugin \(PR link included\)](#) to serve DNS records from Google Cloud DNS to coredns.

Atlan *New Delhi, India*
Software Development Intern (Backend) 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 *Remote*
Software Engineering Intern 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. *Remote*
Google Summer of Code Student 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

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

Aug '16 – Jul '20

Bachelors of Technology in Computer Science and Engineering