

PALASH NIGAM

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SUMMARY

- Experience with backend web services and open source development. Interested in distributed systems and infrastructure.
- Go, Python, Rust, Ruby, Erlang, Elixir; Git, ElasticSearch, MongoDB, Redis

EXPERIENCE

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

- Wrote a git analytics engine from scratch in Go that extracts data from hundreds of repos concurrently and derives meaningful insights from it.
- Wrote the rails backend for the git dashboard's webapp and designed the Elasticsearch schema for it.
- Adding support for language runtimes like Rust, SBCL, etc for Hackerrank's code execution service called Coderunner

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

- Wrote a [plugin](#) 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
- **foaas-cli** – [CLI tool](#) for FOaaS API with 100+ stars on Github
- **unirest-go** – Kong's Unirest protocol [implemented in Go](#)

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 Grade: 6.9