

Hrishikesh Barman

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SUMMARY

Full-stack engineer with 3+YoE in backend engineering and web development with a strong interest in automation, security and information systems seeking full-time/part-time software engineering role in a high impact domain.

RELEVANT SKILLS

Basic web applications	TypeScript, React, HTML5, CSS
Complex web applications	WebRTC, Websockets, WebAssembly, Browser performance
Building backends	Golang, NodeJS, Python, OCaml, Ruby
Working with databases	PostgreSQL, MongoDB, SQLite
Tools&Automation	Golang, Python, C++, JavaScript, Lua, Bash, CI/CD systems and CLI tools.
Managing code and docs	Git, org-mode, markdown
Operating infra	AWS, GCP, Ansible, Nix, Kubernetes, Nagios, Prometheus
Managing systems	Containers&VMs, linux systems skills
Handing distributed systems	RPC, decentralized databases, message brokers, P2P
Network&Security	SSH, Tailscale, Troubleshooting
Data engineering	Kafka, Airflow, BigQuery, PyData stack, Datasette, Metabase, other similar tools

RELEVANT EXPERIENCE

Freelance Developer November 2015 — Present
Individual Contributor *Remote*

- Delivering functional, documented and tested code for clients globally.
- Previously worked with bespoke web applications, extensions/plugins, automation scripts/bots/scrapers.

Data Engineer August 2020 — March 2022
Clarisights *Bangalore, IN*

- Designed and implemented several integrations to the ETL pipeline, ensuring efficiency in I/O. Mostly involved Ruby, MongoDB and PostgreSQL along with some Python with a pinch of Airflow.
- Was part of weekly on-calls addressing both system and customer issues. Built integrations in the stringent deadlines which helped in securing key business partnerships for the company.

Google Summer of Code Student May 2019 — August 2019
CNCF/Prometheus ([follow-up](#)) *Remote*

- Worked on refining the release benchmarking system for Prometheus called Prombench. This involved working with Grafana, Containers, Kubernetes(GKE), CI/CD systems and lots of Go.
- The outcome of this effort was a heightened level of scrutiny into the Prombench system, providing developers with increased flexibility to compare different Prometheus versions with greater precision.

SysAdmin Intern August 2018 — December 2018
Free Software Foundation ([follow-up](#)) *Remote*

- I evaluated the feasibility of replacing the Nagios with Prometheus. My primary responsibilities included the development of Ansible roles and create various scripts to support the implementation using python, shell scripts and go.

RELEVANT PROJECTS

wscribe-editor A transcript editor for whisper generations (source)	2023
threesixfive daily A digest that refreshes daily from a curated database (check it out)	2022
gitpushblog A git based blog engine (source)	2017
projects & experiments Complete list of projects and experiments	2013 - Present

OTHER ACTIVITIES

Opensource: Actively contributed, organized and mentored in the OSS community	2016-2020
Hackathons: Won few, but doesn't matter. Had fun.	2014-2019