

Hrishikesh Barman

Remote · Guwahati, IN · Relocatable
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SUMMARY

Fullstack SWE with 2+ years of experience in data engineering and backend development with a strong interest in selfhosting, distributed systems, observability and automation seeking full-time system infrastructure role.

RELEVANT SKILLS

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|------------------------------------|--|
| 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 |
| Tools&Automation | Golang, Python, C++, JavaScript, Lua, Bash, CI/CD systems and CLI tools. |
| Managing code and docs | Git, org-mode, markdown |
| Data engineering | Kafka, Airflow, BigQuery, PyData stack, Datasette, Metabase, other similar tools |
| Building backends | Golang, NodeJS, Python, OCaml, Ruby |
| Working with databases | PostgreSQL, MongoDB, SQLite |
| Basic web applications | TypeScript, React, HTML5, CSS |
| Complex web applications | WebRTC, Websockets, WebAssembly, Browser performance |

RELEVANT EXPERIENCE

Freelance Developer November 2015 — Present (Fulltime since 2023)
Individual Contributor *Remote*

- Worked with orgs setting up various infra components, scaling it, improving security posture of the org, improving DX etc.
- Built bespoke web applications(backend heavy), plugins, automation scripts.

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*

- 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

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|--|----------------|
| 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

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