

# HRISHIKESH BARMAN

Remote ◇ Guwahati, IN ◇ Relocatable

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## SUMMARY

Software engineer 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

<b>Operating infra</b>	AWS, GCP, Ansible, Terraform, Kubernetes, Nagios, Prometheus, ELK
<b>Managing systems</b>	Containers&VMs, General linux systems skills
<b>Handling distributed systems</b>	RPC, decentralized databases, consensus protocols, message brokers, caching, P2P
<b>Network&amp;Security</b>	SSH, Wireguard, Tailscale
<b>Tools&amp;Automation</b>	Golang, Python, C, JavaScript, Lua, Bash, Sed, Awk, CI/CD systems and CLI tools.
<b>Managing code and docs</b>	Git, mercurial, common build systems, org-mode, markdown
<b>Working with databases</b>	PostgreSQL, MongoDB, SQLite, Redis, DB performance tuning
<b>Data engineering</b>	Kafka, Airflow, PyData stack, Datasette, Metabase, other fun tools.
<b>Basic web applications</b>	TypeScript, React, HTML5, CSS
<b>Complex web applications</b>	Browser performance
<b>Building backends</b>	Golang, NodeJS, Python, Ruby (Frameworks as required)

## RELEVANT EXPERIENCE

<b>Data Engineer</b> Clarisights	August 2020 — March 2022 <i>Bangalore, IN</i>
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- Executed the design and implementation of several integrations to the ETL pipeline, ensuring optimal efficiency in data reading and writing. This mostly involved Ruby, MongoDB and PostgreSQL along with some Python with a pinch of Airflow and custom DSLs as seasoning.
- 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.

<b>Google Summer of Code Student</b> CNCF/Prometheus ( <a href="#">follow-up</a> )	May 2019 — August 2019 <i>Remote</i>
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- 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.
- Later I started maintaining this project, but life, as it often does, threw me a curveball and I had to step away.

<b>SysAdmin Intern</b> Free Software Foundation ( <a href="#">follow-up</a> )	August 2018 — December 2018 <i>Remote</i>
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- 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.

<b>Freelance SWE</b> Individual Contributor	November 2015 — Present <i>Remote</i>
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- Delivering functional, readable, well tested code with clear documentation for a diverse range of clients globally.
- Previously worked with customized web application solutions, extensions/plugins, automation scripts/bots/scrapers.

## RELEVANT PROJECTS

<b>threesixfive daily</b> A digest that refreshes daily from a curated database ( <a href="#">check it out</a> )	2022
<b>twitmarks</b> tw bookmarks when bookmarks were not available on the web ( <a href="#">source</a> )	2018
<b>gitpushblog</b> A git based blog engine ( <a href="#">source</a> )	2017

## OTHER ACTIVITIES

Opensource: Actively contributed, organized and mentored in the OSS community	2016-2020
Hackathons: Award-winning track record in a few hackathons, but doesn't matter. Had fun.	2014-2019