

Hrishikesh Barman

Remote · Guwahati, IN

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SUMMARY

Fullstack SWE with 3+ years of experience in data engineering and backend development with a strong interest in selfhosting, distributed systems, observability and automation seeking full-time/contract systems/infrastructure role.

RELEVANT SKILLS

Operating infra	AWS, GCP, Ansible, Nix, Terraform, Kubernetes, Nagios, Prometheus
Managing systems	Containers&VMs, linux systems skills
Handling 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

RELEVANT EXPERIENCE

Freelance Developer Individual Contributor	November 2015 — Present (Fulltime since 2023) <i>Remote</i>
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- Worked with orgs setting up various infra components, scaling it. Database deployment, management & optimizations. Improving security posture of the org, improving DX etc.
- Built bespoke web applications (backend heavy), plugins, automation scripts.

Data Engineer Clarisights	August 2020 — March 2022 <i>Bangalore, IN</i>
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- 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 CNCF/Prometheus (follow-up)	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.

SysAdmin Intern Free Software Foundation (follow-up)	August 2018 — December 2018 <i>Remote</i>
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- 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

nix-postgres-docker running wal-g w postgres in a container (source)	2024
wscribe-editor A transcript editor for whisper generations (source)	2023
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