HRISHIKESH BARMAN

Remote ◇ Guwahati, IN ◇ Relocatable

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SUMMARY

Software engineer with 5+ years of experience in building bespoke web applications for clients globally seeking interesting freelance opportunities. Also interested in data engineering, observability, building tools, writing&archival and p2p systems.

RELEVANT SKILLS

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

RELEVANT EXPERIENCE

Freelance SWE   November 2015 — Present
Individual Contributor   *Remote*

- 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.

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

- 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.

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.
- Later I started maintaining this project, but life, as it often does, threw me a curveball and I had to step away.

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

threesixfive daily A digest that refreshes daily from a curated database (check it out)   2022

twitmarks tw bookmarks when bookmarks were not available on the web (source)   2018

gitpushblog A git based blog engine (source)   2017

OTHER ACTIVITIES

Opensource: Actively contributed, organized and mentored in the OSS community   2016-2020

Hackathons: Participation and award-winning track record in a few notable hackathons   2014-2019