






PROFESSIONAL EXPERIENCE


Accuknox, *Software Engineering Intern*

May 2021 – present | Remote


- Designed and Developed Runtime Security Enforcement Engine leveraging **BPF LSM**, integrating it with KubeArmor which helped extending security enforcement support to AWS EKS Systems. 
- Presented at Cloud Native eBPF Day Europe 2022 - **Armoring Cloud Native Workloads with BPF LSM** 
- **kArmor**  - Designed and Developed CLI Client and Client Libraries for KubeArmor to help manage and ease development of further tooling and ecosystem around KubeArmor.
- Worked on a rule based **Kubernetes Security Policy discovery and recommendation engine** 
- Contributed to eBPF-based Networking, Security, and Observability Tooling called **Cilium** 
- Proposed and Mentored KubeArmor projects under **Google Summer of Code** and **Linux Foundation Mentorship Programs**.
- Technologies worked with: **Go, eBPF, Kubernetes, Container Runtimes, Linux Security Modules**

Public Lab | *Google Summer of Code, Student Developer*

May 2021 – Aug 2021 | Remote

- Automate and Standardize process to add new leaflet layers leveraging google spreadsheets and Github Actions.
- Reduce load on Public Lab API system leveraging caching on server side and debouncing requests from client side.
- Reduce API response time by a factor of 10 by solving issues like n+1 problem and leveraging eager loading in the Ruby Framework.
- **Final Report** 
- Technologies worked with: **Javascript, GitHub Actions, Ruby, MySQL**

ADDITIONAL

- Write blogs on my personal website - **barun.cc/posts** 
- Conducting Meetups and Events as part of core team at **Open Source Developers Community**

EDUCATION

Jaypee Institute of Information Technology, *BTech in Computer Science*

2019 – 2023

Barun Acharya



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in barun-acharya

PROJECTS

Bolt262

Test harness that checks the conformance of various JavaScript engines against test262  tests tailored for quick results.

TabuRei

TabuRei is an all-in-one browser extension to manage and store your tab clutter and restore them on the fly

SKILLS

Programming

Go | C

Systems

Containers | eBPF | LSMs

DevOps

Docker | Kubernetes | Github Actions

Web

Javascript | Node.JS | REST | GraphQL

ACHIEVEMENTS

1/100+ | BitBox Hack

5/300+ | Auth0Hackathon

2/300+ | HackJaipur