

☑ realaravinth@batsense.net | 🎓 https://batsense.net | 🗘 realaravinth | 🏕 realaravinth

Skills

Languages Rust, Python, JavaScript, TypeScript, Java, Bash

Actix Web, WebAssembly, Django, React. js, Docker, PostgreSQL, SASS, Redis, Open API, Nginx, GraphQL, OAuth, JSON-RPC, **Technologies**

Hyperledger Fabric

DevOps Docker, Designing micro-services, Github Actions, Travis CI

Engineering test-driven development, version control workflow, code review, systems designing

General skills Rapid leading, time management, team management, Linux Knowledge

Education _

Near Vijayawada - 522237, Andhra **VIT AP University** Pradesh, IN

BACHELOR OF SCIENCE IN COMPUTER SCIENCE, GPA: 6.83/10.00

present

Experience _____

mCaptcha Homepage

FOUNDER CEO March 2021 - PRESENT

- · Design and develop high-performance, horizontally scallable backend: Rust, Actix-Web, Postgres, Redis
- · Design and develop high-performance, lightweight, server-side rendered frontend: Sailfish, TypeScript, SASS
- Design and develop custom native Redis module
- Documentation
- Deployment and distribution

batsense.net: self-hosted, privacy focused indie webring

Services

2019 - PRESENT OWNER WERMASTER

- · Search engine
- · Secure chat platform
- Tor node
- See legend for full list of services: https://batsense.net/services

Actix Web Project Code Base

· Documentation: migrated the project to intra-doc links

· Code recipes

Null (InfoSec) Chapter

CONTRIBUTOR

VIT AP, AP October 2020 - PRESENT

Project Code Base

November 2020 - PRESENT

November 2020 - PRESENT

- Designed and built a Capture The Flag event for freshmen introduction event in under two weeks(Source Code)
- Wehmaster

CONTRIBUTOR

Actix Web

· Documentation: migrated the project to intra-doc links

Code recipes

Projects _____

DEVELOPER

Actix Web Ecosystem libraries

Collection

2021

• Actix Stateful Sessions: Redis based opaque session implementation

• Cache Buster: caching library written in rust

DEVELOPER June 2021 · active leak · supports cluster mode • supports persistence through RDB · High performance(see project's README) · all subroutines are tested **Damn Vulnerable Blockchain** Source Code DEVELOPER January 2021 • vulnerable by design(attack scenario detailed in project's readme) p2p blockchain implementation • in-built peer discovery service · Proof of Stake with coinage client library • 88% code coverage (as of January 17, 2021) Wagon Source Code DEVELOPER November, 2020 - present · High performance membership management platform • Free Software alternative to EventBrite • Follows the 12 Factor App recommendation • 91% code coverage (as of December 14, 2020) Identity Source Code DEVELOPER August 2020 - present · Identity and access management platform built for the IndieWeb · OpenID Connect based • Uses OAuth2.0 for third-party integration • Uses novel actor model based, proof-of-work DoS protection mechanism • Follows the 12 Factor App recommendation • 70% code coverage (as of December 14, 2020) · Performant, built with Rust **Hackers Union CTF** Source Code DEVELOPER Oct 2020 · High performance CTF platform · real time scorecard **IDS Matrix** Source Code DEVELOPER June 2020 • Light weight Intrusion Detection System for GNU/Linux Systems • Built on top of Matrix(a decentralised messaging service) Porting postmarketOS to Samsung Galaxy Tab E 9.6(SM-T561)(samsung-gtle36) Home Page DEVELOPER AND OFFICIAL MAINTAINER July 2020 · Uses upstream Linux kernel · Display and WiFi works **Yify Torrents Wrapper** Source Code DEVELOPER June 2020 • NOTE: I don't support piracy, this is a project that I built for fun • Fetches data from Yify Torrents • Schedules jobs on server for downloads Updates inventory · Provides an interface to stream content **Tracking** Source Code DEVELOPER August 2019- January 2020 · IoT-based, cheap three-dimensional indoor positioning system · Visual Range accuracy • Easy deployment, uses existing infrastructure(WiFi) routers

Source Code

Redis Leaky Bucket native module