

ISHAN SHANWARE

📞 +91 902-806-9011 ✉️ shanware.ishan@gmail.com 🔗 linkedin.com/in/ishan-shanware/ 🐙 github.com/kernelpanic77

Education

International Institute Of Information Technology, Bangalore (IIIT-B)

July 2019 - July 2024

iMtech (Dual Degree) in Computer Science and Engineering

CGPA: 3.62/4.00 Transcript

Relevant Coursework

Data Structures and Algorithms, Design and Analysis of Algorithms, Cloud Computing, Software Engineering, Software Architecture, Software Production Engineering, Computer Networks, Operating Systems, Database Systems, Machine Learning, Visual Recognition

Skills

Languages: C/C++, Python, Java, Golang
Technologies/Frameworks: Git, Spring Framework, Docker, Kubernetes, Linux, PyTorch, NoSQL Databases, SQL Databases (MySQL)
Interests: Distributed Systems, Scalability, Machine Learning, Applied Data Science

Experience

Cisco Systems, WebEx

Bangalore

Software Engineer (G6)

Aug 2024 - Present

- Working as part of the Openstack Team to develop platforms for automating lifecycle of baremetals for new DC deployments of the IaaS System. **Stack: Python, Java, bash, Distributed Systems, Networking**

Cisco Systems, WebEx

Bangalore

Software Engineer Intern

Jan 2024 - Jul 2024

- Worked as part of the Webex Cloud Infrastructure Platform to services which perform commissioning and decommissioning of baremetal systems for maintaining a healthy inventory of baremetals. Infrastructure hosts cloud native applications on a fleet of more than 150 DCs **Stack: python, bash, openstack, distributed systems**

Wells Fargo

Bangalore

Intern Analyst

May 2023 - July 2023

- Successfully developed a robust system for parsing, storing, and structuring security logs into a scalable SQL database for data warehousing.
 - Leveraged full-text indexing and predefined keywords to identify potential security threats.
 - Implemented a reliable alert mechanism and stored data in a structured format for effective data warehousing.
- Stack: java, SQL, regex**

Devfile (Cloud Native Computing Foundation)

Remote

Intern (LFX Mentee)

Jun 2022 - Aug 2022

- Devfile, is an open source project to define containerized development environments that enables developer tools to simplify and accelerate workflows.
- Worked on integration of compose file support in a devfile definition. This allowed developer's to leverage an existing compose file to build a developer environment definition. **Stack: compose, docker, kubernetes, golang**

Projects

Remote Code Execution Engine | Java, RabbitMQ, Docker, Kubernetes, MySQL, ELK, Actions

May 2023

- Designed and implemented a **production ready, scalable** and plugable backend solution for remote code execution platforms
- Designed using an **event driven architecture**, judge tasks are sent to judge workers over queues (RabbitMQ Broker) and results sent back to the client via sockets.
- Stateless judge workers can be scaled using **event driven autoscaling**, based on events from the **rabbitmq broker**, Robust to malicious code as workers run in containers

EHRBridge | Java, Spring, RSA

April 2023

- Designed and implemented system for secure exchange of electronic health records between hospitals. The system asynchronous and **highly reliable**, with end to end encryption of data.
- Consists of gateway, hospital servers implemented in Java Spring. Requests for data patient consent, details of consent are encrypted with a **Java RSA** implementation, patient records are shared using an AES and RSA encryption combination strategy.

Toy Load Balancer | load balancing, simulation, golang

Jul 2022

- Built a **Primitive Load Balancer** in go, which allows simulating load balancing strategies with multiple replica servers. Currently supports the **round robin** load balancing strategy. Used the reverse proxy handler in the HTTPutils package of golang

Achievements

- Qualified Gate 2023 (Computer Science and IT) with about 90 percentile
- Hack The Mountains 2021 (Hackathon) Finalist(Top 50 teams out of 600 teams)
- In the top 100 teams out of 27,000 registered teams in Software Development Challenge Track of Flipkart GRiD 3.0, Summer '21
- Cohort 4 - Cisco Thingqinator Team selected out of 1800 teams