

Onkar Sawarna

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EDUCATION

Birla Institute Of Technology, Mesra

Integrated Masters Degree, Mathematics and Computing

CGPA - 9.22

2017 - 2022

EXPERIENCE

Platform Engineer

March 2026 - Present

Acceldata

Bangalore, Karnataka

- Built a Filebeat → Logstash → Elasticsearch log ingestion pipeline with enrichment and structured routing, significantly expanding observability coverage across platform services
- Extended the Ozone service to support multiple service IDs, enabling finer-grained service identity management and improved multi-tenant visibility across distributed workloads

Senior Engineer I

April 2025 - Feb 2026

Menlo Security India

Bangalore, Karnataka

- Engineered and maintained a high-performance, Go-based simulator to facilitate load and performance testing of traffic steering servers, leveraging Go routines and the Gin framework to simulate thousands of concurrent WireGuard tunnels and enhance throughput and resiliency.

Software Engineer

June 2022 - March 2025

Menlo Security India

Bangalore, Karnataka

- Developed a scalable and resilient Golang-based IP allocation and deallocation service for large-scale distributed systems, ensuring dynamic resource assignment and automated cleanup to optimize resource utilization.
- Led migration of services from AWS to GCP, adapting core services with GCP-specific modifications in Golang and updating deployment configurations in Terraform for a seamless infrastructure transition.
- Built a critical tooling solution using a Golang-based command-line application (Cobra) to manage eBPF maps, which improved operational efficiency and developer productivity for the engineering community..
- Designed and implemented a custom token validation library in Golang, a key piece of shared tooling that reinforced secure access and authentication across multiple applications.
- Developed a session cleanup service using AWS Lambda and DynamoDB in Golang, automating the removal of expired sessions for better session management.

Software Engineering Intern

October 2021 - May 2022

Menlo Security India

Bangalore, Karnataka

- Acquired in-depth knowledge of networking and firewall concepts, applying them to secure connectivity solutions for tenants, users, and VPNs in a multi-tenant environment.
- Enhanced logging efficiency by implementing packet filtering rules with `nftables` and `iptables` on Linux to reduce ICMP log volume.

TECHNICAL SKILLS

Languages: Golang, C/C++

System Design and Architecture: HLD, LLD, Microservices, Scalability, Reliability, Performance Optimization.

Cloud and Infrastructure as Code: AWS, GCP, Terraform, Jenkins

Frameworks and Developer Tools: Git, Docker, Wireshark, Linux

Databases: MySQL, DynamoDB, Elastic Search

Networking and Security: eBPF, VPN, SSH, Firewall Configuration, IPsec Tunnels

Coursework: Operating Systems, Computer Networks, Database Management Systems, DSA

ACHIEVEMENTS AND APPRECIATION

Coding Profile : leetcode.com/onke21/

Head of Events at BITOTSAV '19: Organised various cultural and field events in Cultural fest of BIT Mesra

CODEC: Winner of Coding Challenge in technical Fest Of BIT Mesra 2017

Pantheon 2018 : Runners up in technical Fest of BIT Mesra

National Children Science Congress : Represented my team on the National level 2012

NCC : Awarded B certificate, Battalion - 3 Jharkhand CTC