

Souvik Haldar

📁 Portfolio | 📞 +91 865 314 9116 | @souvikh@hornet.technology | 🌐 LinkedIn | 🐙 GitHub | 📍 Kolkata, India

PROJECTS

- **Huntsman**: A versatile and highly concurrent malware written in golang.
- **Goffer**: Perform buffer overflow vuln testing and exploit
- **Polyload**: CLI tool to upload files to multiple cloud service provides simultaneously and easily.
- **go-ds**: Library of all data-structures implemented in Golang.
- **Loggator**: A simple and extensible log aggregator service written in golang and mySQL.

WORK EXPERIENCE

Hornet

Founder and CEO

Kolkata, India

March 2023 – Present

- Cryptocurrency and Darkweb investigation and intelligence platform
- Winner of STPI Chunauti 5.0 and secured seed fund, Winner of NIDHI PRAYAS grant from ISI Kolkata, DST, GoI, Best Innovation Award from Lt. Governor of Delhi Shri Vinai Saxena, Best Startup award at ABP-INFOCOM and represented Department of IT of West Bengal at India Mobile Congress, 2023

Imperva

Software Engineer

Bangaluru, India

Nov 2020 – Dec 2022

- Built a caching layer for configuration sync across services written in **Golang** that reduced latency by approx. 70%.
- Created **microservices** for extracting features from HTTP API calls, summarizing the features to reduce payload size and contributed to other microservices in **Golang**.
- Wrote **Groovy** script to generate code coverage report of all Golang microservices as a freestyle job in **Jenkins**

Biostrap

Backend Engineer

Kolkata, India

May 2019 – Oct 2020

- Built several **HTTP** and **gRPC** APIs in Golang with MySQL DB.
- Created CLI tool for DB migration, aggregating health metrics to generate monthly report, etc

Slurpalicious

Backend Developer

Kolkata, India

May 2019 – Oct 2020

- As a founding Backend Developer, created the the HTTP based web-server in Golang using gin-framework
- Independently researched and built location-aware APIs using PostGIS, PostgreSQL and Golang.
- Developed several other APIs and implemented OAuth authentication mechanism.

Hasura

Product Development Intern

Kolkata, India

May 2017 – Aug 2017

- Produced a web app named Hisab-Kitab, a personal expense management app using HTML, CSS, Javascript, Flask (python) and Hasura IAAS APIs.

AWARDS & ACHIEVEMENTS

Digital Ocean Hackathon: Ranked 2nd in Digital Ocean CloudHack hackathon across India

Modern Application Development MOOC: All India Rank in top 2 percentile in the MOOC organized by MHRD Govt of India and NPTEL, as a reward got selected for internship at Hasura.

SKILLS

Programming: Golang, Solidity, Python

Technologies: Linux, Ethereum, Git, Docker, Kubernetes, Penetration Testing, Web APIs, Prometheus, Grafana, gRPC, Vim, AWS

Languages: English, Hindi, Bengali

CERTIFICATES

Management Trainee at Indian Railways, Hatia Junction Learnt management skills on how Indian Railways operate in accounts department.

CodeChef Certified Data Structures and Algorithms Programme: Data Structures and algorithms, competitive programming, problem solving skills, etc.

EDUCATION

Indian Institute of Technology

Executive Diploma in Advanced Programme in Cyber Security and Cyber Defense;
Grade: Outstanding Performance

Kanpur, India

Feb 2020 – July 2020

Techno Main Salt Lake

B.Tech in Computer Science and Engineering; GPA: 7.35/10.00

Kolkata, India

Aug 2014 – July 2018

Kendriya Vidyalaya

AISSCE Science; Percentage: 80.02

CCE ; CGPA: 9.6/10.0

Adra, West Bengal, India

April 2011 – May 2013

April 2001 – March 2011

REFERENCES

Sandeep Shukla, HOD CSE Indian Institute of Technology, Kanpur: Souvik is a bright young man with great skills in programming, and the ability to translate concepts into code really fast. In particular, he is a great go language programmer. He developed a very nice tool which he named Huntsman, a Swiss armyknife for offensive security and penetration testing which I was very impressed with. He is very aspirational and willing to dedicate his time to learning and creating technology which is a great asset among his other qualities. I believe he will reach great heights in technology entrepreneurship in the future.

Babji Perambattu, Engineering Manager, Imperva: I hired Souvik for my team in CloudVector which was later acquired by Imperva. Souvik worked directly with me for more than 2 years and I found him to be a good Golang programmer. Souvik has contributed in integrating CloudVector API Security product with Imperva's WAF for a successful launch. He has keen interest in system design, cybersecurity research, writing technical blogs in addition to programming.

PUBLICATION

Implementing Enterprise Cybersecurity with Opensource Software and Standard Architecture, River Publishers: Authored a chapter on the offensive use of **Huntsman**, the multipurpose malware that I've developed for the research purpose.