

RISHI SUNDAR MURALIDHARAN

🌐 rishisundar.com • ✉ rishisundar.dev@gmail.com • [in](#) rishisundar • [G](#) rishisundar

EXPERIENCE

Arda (YC W22) – Software Engineer

Jan 2023 – Present

- Engineered a **real-time monitoring for Multichain Bridge**, a cross blockchain router protocol **to detect hacks and arbitrage opportunities** with **Kafka and ClickHouse**.
- **Implemented distributed rate-limiting** based on plan by using **Redis**.
- **Improved the detection capability of malicious URLs** by implementing flagging based on Levenshtein distance.
- **Optimised ClickHouse schema and queries and significantly improved the query performance**.
- **Designed and developed the front-end** for various in-house products using **Next.js and Tailwind**.
- **Engineered Q&A, text generation and image diffusion LLMs** with custom embedding using **LangChain and Stable Diffusion**.

Zoho – Software Engineer

Sept 2019 – Jan 2023

- Took end-to-end **ownership of the Threat Intelligence On-Premise module (\$410k+ annual revenue)** and contributed to various stage of product development.
- Leveraged performance profiling tools to identify bottlenecks in legacy codebase and then **refactored unperformant code, increased lookup throughput and reduced CPU usage by ~37.5%**.
- **Developed persistable in-memory cache based Store to process and store IOCs** with the ability to switch the underlying implementation on the go.
- Improved module stability and **reduced customer issues from ~4 to ~0 per month**.
- Orchestrated improvements in SharePoint Manager Plus and **reduced search time from ~2 minutes to ~150ms**.
- Engineered solutions as a part of ManageEngine's EventLog Analyzer, **enhanced security & functionality of the product**, targeting performance and reliability.

CERTIFICATIONS AND OPEN SOURCE CONTRIBUTIONS

- **Contributed to open-source** by migrating and integrating multiple components of the **Ethereum.org** website from Styled Components to Chakra UI, with changes successfully merged and deployed to production [**PR 9518** & **PR 10173**].
- Certified in **Responsive Web Design** provided by freeCodeCamp.
- Certified in **Blockchain Basics, Smart Contracts and Decentralized Applications (Dapps)** offered by the University at Buffalo and The State University of New York via Coursera.

SKILLS

- Java, JavaScript, TypeScript, Nest.js, Jest, Tomcat, JUnit
- Next.js, React, Tailwind, HTML, CSS, Ember.js
- PostgreSQL, ClickHouse, Redis, Kafka, Elasticsearch
- Git, Docker, AWS, Python, Flask, LangChain, bash, Cron, WSL, JMH

EDUCATION

Anna University • P.S.N.A College, Dindigul
Bachelor of Engineering • Computer Science

2015 – 2019

SBOA Higher Secondary School, Madurai
Specialisation in Computer Science

2013 - 2015