

Sujith Thirumalaisamy

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OBJECTIVE

Passionate Software Developer with a strong foundation in full-stack development, cloud computing, and DevOps practices. Proven track record in designing and implementing scalable, resilient, and user-centric applications. Adept at leveraging modern technologies to solve complex problems and deliver impactful solutions.

EDUCATION

Nallamuthu Gounder Mahalingam College

Bachelor of Science in Information Technology

Aug. 2022 – May 2025

EXPERIENCE

Software Engineer Intern

May 2024 – July 2024

Data Vidhya

Remote

- Headed the development of infrastructure provisioning tool using Terraform, resulting in a 30% improvement in deployment efficiency.
- Implemented a service to manage Terraform states via an API, streamlining state management processes and enhancing operational consistency
- Architected scalable system designs that optimized application performance, supporting seamless growth and scalability.

Full Stack Developer Intern

Dec. 2022 – May 2024

Team Tamizhan

Remote

- Engineered cutting-edge tools leveraging React JS to drive dynamic interfaces
- Led the integration of automated CI/CD pipelines, which reduced deployment time by 40% and minimized release-related issues.
- Architected a resilient hosting architecture using Docker, ensuring reliability of applications.

PROJECTS

Remote Execution Engine | *Kubernetes, Custom Runtimes, System Design, Shell Scripting*

- Developed a highly scalable remote code execution engine over Kubernetes, enabling secure and isolated remote code execution.
- Designed and implementation of a fault-tolerant system, ensuring high availability and reliability.

On Premis Infrastructure | *Proxmox, Ubuntu, Docker, Firewall, Networking, LocalDNS Resolution*

- Built and deployed a mirror RAID NAS server with TrueNAS, enhancing data redundancy and storage reliability.
- Successfully migrated databases to a remote server, achieving a 60% improvement in efficiency and operational speed.

HomeLab | *Networking, Kubernetes, DDNS/WOL, Remote Infrastructure, Cross Site VPN, Pihole DNS*

- Designed and implemented a high-speed home network (up to 1Gbps) with a NAS, media server, and Kubernetes test environment, supporting extensive development and testing.
- Deployed DDNS with remote Wake-on-LAN, enabling full remote access to the development environment for continuous operations.
- Implemented Bind9 DNS for local DNS resolution, improving network management and security.

TECHNICAL SKILLS

Languages: Typescript, Go, Java, C/C++

Frameworks: NextJs, ReactJs, NodeJs, TailwindCSS

Developer Tools: Kubernetes, HELM, AWS, Civo, Turborepo, ORM (Prisma), Terraform, Git, GitOps

Skills: Computer Networking, Infrastructure, Data Structures and Algorithms, High-Speed Typing (110 WPM)

OPEN SOURCE CONTRIBUTIONS

Slides/100xDevs: #2 Contributor with 30+ Commits and 6+ Merged Pull Requests

Algo-Arena: #2 Contributor with 20+ Commits and 3+ Merged Pull Requests