Sai Adarsh Sivakumar

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Summary

Senior software engineer with four years of experience at Cisco designing and integrating software in C++, Go, Python and Java. Experience in machine learning, translating business requirements into technical solutions and taking projects from implementation to launch.

Experience

Cisco Bengaluru, India
Senior Software Engineer (previously Software Engineer) *Aug 2022 to Present*

- Developed AI playbook evaluations for agent workflows spanning root cause analysis, API gateway and Kubernetes pod inspection, log and database queries, GitHub and Confluence search and Playwright UI testing.
- Refactored Nexus Dashboard 4.3 tests into a modular sanity framework with automated JUnit test and sanity suite generation from Postman collections.
- Designed and delivered 14+ network/VRF REST APIs using Go and OpenAPI for Nexus Dashboard 4.2. Consolidated three Go repositories for API generation, serving and shared libraries to simplify Java Spring Boot integration.
- Delivered L3Out routing policy and ACL APIs with database schemas, configuration templates and regression tests. Resolved network/VRF lifecycle failures, multicast configuration loss during subnet changes and DHCP relay settings lost during CSV imports.
- Implemented PyATS regression checks for 30+ defects reported by customers in daily and weekly sanity runs to reduce manual retesting.
- Led C++ integration of Nutanix Prism with Cisco APIC for inventory and performance data across 30+ cluster metrics. Designed Python caching and exponential backoff for authentication reliability and added PyACI tests.

Cisco Bengaluru, India
Software Engineer Intern *Feb 2022 to Jun 2022*

- Built a Kubernetes observability dashboard using React, Spring Boot and CockroachDB, with Kafka and WebSockets for Nexus Dashboard Fabric Controller developer tools.
- Automated GitHub workflows with scripts used by 10+ engineers.

IIT Madras Remote
Research Intern *Jun 2020 to Nov 2020*

- Optimized Django ORM queries, increasing data processing speed by 30% and reducing API latency by 25%. Redesigned and migrated a brain imaging visualization app to AWS EC2.

CNCF / Kubernetes Remote
Open Source Contributor *2018 to 2019*

- Authored 3 merged upstream PRs across Kubernetes' Python client, website and community repositories, fixing Windows installation and footer styling and reorganizing build/test guidance.

Projects and Leadership

Linkout | *Cofounder* 2024 to 2026

- Launched a LinkedIn browser agent with Next.js, Node.js and Playwright, owning design, engineering and infrastructure. Reached $1K MRR in 2024. Customers: MIT EECS, Yahoo, Grayscale VC, January Capital, Exfinity Ventures, proton.me, Salus, Sherlock, Dezerv, Dyte, finalupgrade.ai and leadlaunch.io.

Appendly | *Founder (2017 to 2022)*

- Won HackHarvard, CrustData x Y Combinator Hackathon '26 and 12 other hackathons conducted by Atlassian, MTX, IIT Madras, HCL, Honeywell, IBM and others. Secured $10K in AWS grants for Appendly.

Technical Skills

- **Languages:** Go, Java, Python, C++, JavaScript, TypeScript, SQL, Bash
- **Backend and APIs:** Spring Boot, Node.js, Django, REST, OpenAPI, Swagger, gRPC, GraphQL, WebSockets
- **Frontend:** React, Next.js, Angular, Redux, OpenLayers
- **Cloud and infrastructure:** AWS, Docker, Kubernetes, Terraform, VMware, Nutanix
- **Data and messaging:** PostgreSQL, CockroachDB, MySQL, Redis, Kafka, vector databases
- **AI and agents:** PyTorch, TensorFlow, Hugging Face Transformers, LangChain, MCP, Ollama
- **Testing and tools:** JUnit, PyATS, PyACI, Playwright, Postman, Git, Linux

Education

Coimbatore Institute of Technology, Anna University Jul 2017 to May 2022
Integrated M.Sc., Computer Science and Software Engineering *First Class Distinction*