

Prince Sinha

Senior Director, Innovations

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PROFILE

Innovative Senior Director at Cyble, with a proven record in leading diverse teams to build cutting-edge AI products. A hands-on builder who architects and ships, with expertise in fostering a culture of continuous improvement and managing strategic engineering plans. Deep experience scaling systems, product development, and stakeholder collaboration.

EMPLOYMENT

Senior Director, Innovations

May 2025 - Present

Cyble

- Conceived and built **Blaze AI**, a multi-agent SOC platform; pitched and collaborated with a small set of customers to validate problem statements, workflows, and success criteria.
- Blaze Deep Researcher** - built an AI-powered, multi-agent threat-intelligence research platform that autonomously plans, researches across web / file / MCP sources, and produces cited, analyst-grade reports for enterprise tenants.
 - Architected a multi-agent research pipeline on **LangGraph** (clarify -> supervisor-dispatched researchers -> validate -> report) with concurrent research subagents and token-aware state compression.
 - Made each pipeline stage model-agnostic (LangChain init_chat_model), so any stage can run a different provider/model for cost and quality tuning without code changes.
 - Built Blaze API, a FastAPI gateway over the LangGraph runtime, with JWT auth, multi-tenancy, real-time progress streaming (SSE), and scheduled async report delivery via email / Slack / webhook.
 - Added a file-connector ingestion pipeline (IOC extraction -> indexing -> semantic retrieval) over Elasticsearch, backed by a DB-driven connector catalog.
- Stack:** Python, LangGraph, LangChain, FastAPI, PostgreSQL, Redis, Kafka, Elasticsearch.
- Blaze Agent** - built a conversational AI agent that lets analysts query, triage, and act on their organization's security alerts in natural language, with strict tenant isolation and human-in-the-loop approval for actions.
 - Built a **LangGraph** conversational agent over the alerts platform with read tools (alert listing, detail/history, free-text search, aggregations) backed by the events-engine and TimescaleDB.
 - Enforced strict multi-tenant isolation (incl. MSSP parent/child): every query is server-resolved to the caller's authorized tenant from JWT/IAM, rejecting client-supplied scope overrides.
 - Added mutating actions (status/assignee/takedown, comments, incident creation) behind a human-in-the-loop approval gate using LangGraph interrupt()/resume, with runtime read-only vs. action-enabled toolsets.
- Stack:** Python, LangGraph, FastAPI, PostgreSQL, Redis, JWT/IAM, TimescaleDB, Elasticsearch.
- Working directly with executive leadership and customer stakeholders to define the roadmap and GTM narrative, positioning Blaze AI as a core initiative in Cyble's AI portfolio.
- Building and mentoring the team now (engineers + data scientists), setting engineering standards, delivery processes, and release cadence.
- Contributed to shaping Cyble's strategic direction toward AI-driven security automation and supported executive positioning tied to Series C storytelling.

Director of Engineering

Apr 2024 - May 2025

Cyble · Bengaluru

Built multiple 0-to-1 products at Cyble, led and mentored engineering teams, drove strategy and innovation, delivered secure scalable systems, and aligned cross-functional execution; boosting productivity, product quality, and market competitiveness.

- Built and helped build multiple flagship products including Cyble Vision 2.0, Cyble Hawk, Cyble Falcon GPT, Cyble Eco Connect, and Cyble ISAC, driving innovation and expanding Cyble's product portfolio.
- Led a diverse engineering team, fostering collaboration and innovation; mentored engineers across career stages, significantly improving team performance, retention, and individual growth trajectories.
- Developed and executed engineering strategies aligned with company goals, successfully managing projects from ideation to launch with on-time delivery, quality adherence, and measurable business impact.
- Drove design and implementation of scalable, secure, and robust systems; introduced cutting-edge technologies and agile methodologies to boost productivity, streamline workflows, and future-proof products.
- Partnered with product, sales, and marketing to align engineering with business outcomes, optimized budgets and resource allocation, and continuously improved processes to foster a culture of innovation and experimentation.

Engineering Manager

Aug 2022 - Mar 2024

Cyble · Remote

- Brought API-first strategy throughout the company to build better services and reduce redundancy across micro-services.
- Responsible for bringing in Kubernetes, API Gateway, and Kafka, and setting up DevOps at Cyble.
- Reduced avg API response time from 5 minutes to 200 ms throughout the product.
- Developed and implemented engineering processes, policies, and procedures to improve team efficiency and effectiveness.
- Built a strong engineering culture that promoted continuous learning, innovation, and collaboration.
- Ensured the team followed industry-standard development practices, including version control, code reviews, and automated testing.
- Communicated project progress, risks, and opportunities to senior management and other stakeholders.
- Collaborated with cross-functional teams, such as product management and design, to ensure alignment on project goals and priorities.
- Created Cyble HAWK from scratch using a team of 4 engineers.
- Managed and designed a search service using Elasticsearch, running queries on 34 TBs of data.

Senior Software Engineer

Jul 2021 - Dec 2022

Cyble · Bengaluru, India

- Worked on designing the architecture for **ODIN** (Internet Scanning project by Cyble): Scanner, Refresh Scanner, and Data ingestion pipeline.
- Managed / Led a team of 20 engineers (10 backend, 6 frontend, 2 DevOps, and 2 data engineers) while coaching and mentoring them to ensure projects are completed on time, within budget, and to a high standard of quality.
- Decreased infra cost by 40% from \$71,000 to \$42,600 by switching workloads to Graviton and Spot instances, fine-tuning apps, etc.
- Contributed to hiring 20+ engineers of different experience levels in diverse teams.
- Picked up as a side project and rewrote the entire Cyble Vision (Cyble's B2B product) platform from frontend to backend with an improved UI and infra.
- Created Git workflow for the engineering team.
- Set up automated unit tests using Bitbucket pipelines to ensure code quality.
- Set up infra and application monitoring, performance, and usage metrics across all applications using Newrelic and OpenTelemetry.
- Developed a central caching layer using Redis to cache third-party API calls, saving at least 100K API calls per month.
- Built a vulnerability notification system using Kafka, Cassandra, and TimescaleDB (time-series DB) able to process **5 million messages/hour**, generating notifications at about **10,000/sec at peak**.
- Created an internal developer platform with CI/CD, auto-deployment, debugging, and log-viewer functionalities using Kubernetes and Devtron.
- Built an IAM service for central authentication and authorization handling **50K requests/min**.
- Built a pipeline to process **7 TB of data daily** using Spark, GCS, Pub/Sub, and Elasticsearch.
- Broke and rewrote a monolith service into 3 microservices, following REST standards, using NestJS and Laravel.
- Brought in Sprint and Scrum processes across the organization.
- Dockerized existing applications (140+) and deployed them on Kubernetes to save developer hours.

Senior Software Engineer

May 2020 - Jul 2021

Postman Inc · Bengaluru, India

- Built features for Mock Servers on Artemis (Postman on the web).
- Added real-time events support for "Mock Server" tabs and sidebar.
- Implemented real-time events support for Mock Server call logs.
- Implemented the "Move mock server to workspaces" feature.
- Decreased latency for API schema sync to GitHub by 100 ms.
- Added feature/rulesets to validation for OpenAPI specification in the Postman API design editor.
- Led API-first design for my team.

Software Developer

Dec 2018 - May 2020

Pickmysolar.com / Solar.com · Hyderabad, India

- Built a scalable backend for Solar.com using micro-services architecture while maintaining an existing monolith application.
- Built a micro-service in Laravel to calculate incentives for a user; reduced response time from 2s to 200 ms by implementing query caching with Redis.
- Built a micro-service to generate bids using Laravel to support Solar.com; set up automated deployment using Jenkins on an AWS EC2 instance.
- Implemented ACL authorization and authentication in a Laravel-based micro-service.
- Developed a number of features for the solar.com and pickmysolar.com backend dashboard.

Co-Founder and Developer

Dec 2016 - Nov 2018

Urbanhands.in · Kolkata, India

- Built a PWA for urbanhands.in, a service marketplace for tier-2 and tier-3 cities in India.
- Built using Laravel and Vue.js, hosted on an AWS EC2 instance.
- Did on-page SEO and off-page SEO for over a year.
- Currently, the site gets 2,500 unique visitors per month organically.

SKILLS

Languages & Runtime: JavaScript, PHP, Node.js, NestJS

Data: MySQL, NoSQL, Redis, Elasticsearch, Kafka

Infra & Platform: AWS, Kubernetes, Devtron, Git

AI / Agents: Langgraph, Langchain

Strengths: Teamwork, Leadership, Curiosity, Time Management, Communication, Self Discipline

EDUCATION

University of Engineering and Management · B.Tech, Computer Science

Jan 2014 - Dec 2018

S.K.S Public School · CBSE Science

Jan 2011 - Dec 2013

St. Vincent's High and Technical School · ICSE Science

Jan 2010 - Dec 2011

LANGUAGES

English, Hindi