

# Subashkumar S

Software Engineer · Backend & Observability

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## PROFILE

Backend-focused software engineer with production experience building high-throughput observability pipelines at an APM platform — processing telemetry spans and logs using Node.js, TypeScript, and ClickHouse. Experienced in designing analytical query engines, third-party integrations (Jira, HubSpot), and message queue-based ingestion with NSQ. Comfortable working across the full backend stack from API design to data-layer optimisation.

## EXPERIENCE

### Software Engineer

Aug 2024 – Present

*Namlabs Technologies (Atatus)*

*Chennai, India*

- Engineered telemetry ingestion pipelines processing distributed trace spans and log events at scale via NSQ message queues into ClickHouse analytical storage, using Node.js and TypeScript.
- Designed and optimised ClickHouse query strategies, reducing filter-API response times significantly for high-cardinality datasets.
- Built configurable dashboard APIs consumed by the React frontend, enabling customers to create custom observability views across their service topology.
- Integrated HubSpot CRM to sync customer and account data with the Atatus platform, enabling product adoption tracking with Redis-backed caching to minimise external API overhead.

### Software Engineer Intern

May 2024 – Jul 2024

*Namlabs Technologies*

*Chennai, India*

- Built core data-collection modules for a Node.js web monitoring tool during early prototype stage, contributing to the architecture adopted in the production APM platform.
- Integrated Jira to enable teams to create and link issue tickets directly from the monitoring platform, improving incident response workflows.
- Implemented initial data-visualisation endpoints that informed API design patterns carried into the full product release.

## SKILLS

**Languages:** JavaScript, TypeScript, Golang, Java

**Backend:** Node.js, Express.js, REST APIs

**Databases & Queues:** ClickHouse, Redis, MongoDB, NSQ

**Frontend:** React, Next.js, Tailwind CSS

**DevOps & Tools:** Docker, Git, Make, Linux (Arch)

**Domain:** Observability / APM, distributed tracing, log analytics, third-party integrations

## PROJECTS

### Tamil Abusive Audio Detection System | *University Final Year Project*

- Built the web application layer (HTML5, CSS3, JavaScript) integrated with a Bi-LSTM ML model for real-time abusive audio detection in Tamil speech, handling model inference via REST API.

## EDUCATION

### B.Tech – Information Technology

2019 – 2023

*University College of Engineering, BIT Campus, Tiruchirappalli*

*CGPA: 8.09*

## CERTIFICATIONS

Web Development Internship · HTML Essential Learning · CSS Essential Learning · JavaScript (Basic) · Java Programming Internship · Excel Dashboard For Beginners