

Suraj Shah

PRINCIPAL SOFTWARE ENGINEER

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[Bangalore, IN](#)

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Summary

Principal Engineer with 10+ years of experience in backend engineering, distributed systems, and microservices architecture in **Kotlin** and **Java**. Led large-scale, event-driven systems on AWS with experience in technical leadership, system design, observability and mentoring teams.

SKILLS

Technologies

Kotlin, Java, Go, Rust | **Spring Boot**, Spring Cloud, Hibernate

Tools

Kafka, AWS, Docker, Kubernetes, Aerospike, Redis, MongoDB, PostgreSQL

EXPERIENCE

Dec 2022 – Present

Principal Software Engineer, Headout

Bangalore - Remote

- Introduced **event-driven architecture** using **Kafka** and resolved async reliability issues for core backend microservices across distributed systems.
- Standardized org-wide **observability** with **OpenTelemetry**, wrote SDKs for metrics and logging.
- Improved service reliability to **99.99% SLOs** by eliminating memory leaks and bottlenecks.
- Architected and implemented 10+ backend microservices, ensuring consistency and scalability.
- Cut down memory usage per pod by 75%** and significantly reduced infra costs by diagnosing and fixing JVM/Kubernetes Docker interoperability issue. [Blog](#) for the same.
- Worked **cross-team** in collaboration with multiple Engineering Managers and Product Owners.
- Gave **20+ org-wide talks** on system design, software engineering principles and observability.
- Mentored backend engineers on concurrency, observability, and JVM performance tuning; **drove org-wide best practices** in system design.

May 2018 – Nov 2022

Technical Lead, Founding Engineer, SuperShare (formerly QTalk)

Bangalore

- As the first backend engineer, designed and implemented the core microservices architecture, scaling the platform for the **first 0 to 100k users** with resiliency and clear API contracts.
- Designed and implemented CI/CD pipelines and containerized deployments (**DockerSwarm**).
- Led and mentored engineers, established coding standards, and reviewed architecture designs.
- Built and open-sourced **RecyclerView-FastScroller** (900+ stars, 50+ forks).

Nov 2017 – Apr 2018

Software Engineer, IndusOS (acq. by PhonePe)

Mumbai

- Developed OS-integrated applications used by **10M+ active** users.

Mar 2016 – Aug 2017

Software Engineer, Futwork (formerly frapp)

Mumbai

- Built scalable backend services for gig economy apps; improved API response times by **30%**.

Aug 2015 – Feb 2016

Software Engineer, Yocket

Mumbai

- Built core backend modules; scaled to support thousands of concurrent users.

PUBLIC SPEAKING

May 2020

DroidCon: Dissecting the inline keyword in Kotlin

Bangalore (Online)

Talk given at **DroidCon** India. Links: [video](#), [blog post](#).

Feb 2020

FOSDEM: Dissecting the inline keyword in Kotlin

Brussels, Belgium

Invited to speak on **Kotlin's** internals at **FOSDEM2020**. Links: [video](#), [speaker profile](#), [blog](#).

2018 - 2022

BlrKotlin: Delivered 3+ talks on Kotlin internals, operators, and sequences.

Bangalore

EDUCATION

2011 – 2015

University of Mumbai, Bachelor of Engineering, Information Technology

Mumbai

Completed the four year course with **distinction**.