

# Yeshwanth V Shenoy

## Senior Software Engineer

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## Skills

Programming Languages	Java, Golang, Typescript
Libraries & Frameworks	Spring Boot, Spring Security, junit, gRPC, Protobuf, Kafka, Node.js, Angular, Jest, Docker, Kubernetes
Databases	MySQL, PostgreSQL, Firebase, Redis
Protocols	HTTP 1.1 (REST), HTTP 2 (gRPC), SAML 2.0, OAuth 2.0, OIDC, RTSP
Tools & Platforms	GitHub, BitBucket, Amazon Web Service(AWS), Google Cloud Platform(GCP), Jenkins, Spinnaker, DataDog, PagerDuty, LogEntries, Zipkin Tracing, Nginx, Ingress
Architectural Patterns	Monolith, Microservices, Event Driven

## Experience

### Senior Software Engineer II @ Rakuten Inc.

Sept 2020 - Present      Bangalore, India

- Architected custom data ingestion pipeline using Event Driven architecture that ingests live video feed from around 20 cameras with a delay of around 30 seconds for real time analysis
- Developed and shipped a high load secret manager for internal project teams with SLA of 99.99% from scratch
- Onboarded secret manager as service onto Internal Cloud Platform which required due Security audits, QA audits, Metrics integrations, Billing integrations, etc in a span of less than 8 months
- Ramped up 9 team members across 2 projects to ship production grade code and develop features that are fault tolerant as well as adhering to industry standards
- Performed code reviews for peers and following Test Driven Development(TDD) with code coverage above 85%

### Senior Software Engineer @ Freshworks Inc.

May 2018 - Aug 2020      Bangalore, India

- Wrote robust code, performant code for real time system used by Freshworks products that demanded 99.999% SLA using Microservices and Event Driven architectures

- Deployed and shipped highly scalable, fault tolerant features with latencies lesser than 250ms
- Developed Cloud Agnostic features and adoption of open source tools/frameworks thereby reducing costs of the infrastructure by around 20%
- Steered security compliance of applications and any security concerns including OWASP vulnerabilities, fixing P0, P1 and P2 items
- Integrated source code management with SonarQube for effective enforcement of security and code quality measures thereby decreasing security and minor bugs substantially
- Mentored a team of 6 engineers of various backgrounds for achieving monthly and quarterly roadmap items

## Associate Software Engineer @ TPF Software India

May 2015 - May 2018      Chennai, India

- Engineered and maintained a wide array of products for clients
- Engineered and created tools that aimed to mimic 'Find Usage(s)' in various IDEs for mainframe developers thereby increasing productivity of customers which helped increased revenue directly by 2%
- Authored and shipped critical features of multiple products that included 100% compliance with security audits and load testing

## Engineering Milestones

### → Fixed SAML P0 & CSRF

Implemented CSRF prevention using Double Cookie Pattern in 3 microservices written in Java and Golang. Self discovered and fixed a P0 issue in SAML Service Provider implementation of the product

### → Patched Third Party Cookie Problem

Provided quick turnaround time for fixing Third Party Cookies problem temporarily(2 days) and also solutioned the permanent fix as well

### → Implemented Kubernetes Leader Election

Leveraged Kubernetes Leader Election for the problem of processing duplicate events that were received from Redis queue

### → Upgraded microservices from JDK 8 to JDK 11

Upgraded 10+ microservices from JDK 8 to JDK 11 and also optimized gradle builds thereby reducing jar size from ~900mb to ~670mb and build time from ~23mins to ~8mins

## Education

Bachelor of Engineering @ Computer Science Engineering

Sept 2011 - May 2015      Chennai, India