Yeshwanth V Shenoy

Lead Software Engineer

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Skills

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

Experience

Lead Software Engineer @ Rakuten Inc.

Sept 2020 - Present Bangalore, India

- ➔ Architected video feed ingestion pipeline using Event Driven architecture from around 20 cameras with a delay of around 30 seconds for real time AI 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
- ➔ Architected a Low Code Test Automation Platform widely adopted by many internal customers for release and regression testing.
- ➔ Broke down a huge monolith source code into microservices and deployed onto Kubernetes and transformed team into a self-organizing team that takes care of deployments, debugging and release management.
- ➔ 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 Highlights

- ➔ **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