

DHARMENDRA SINGH

Senior Software Engineer
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PROFILE

Senior Software Engineer with 8 years of experience in designing secure, scalable platforms for IAM, IoT, and delivery management systems. Skilled in leading system migrations, optimizing database performance, and implementing end-to-end login workflows. Proficient in microservices, RESTful APIs, and Agile project delivery, consistently enhancing user experience. Known for expertise in Java, Spring Boot, and React js, with a track record of database tuning and streamlined workflows to improve system efficiency. Recognized for developing comprehensive technical documentation and delivering high-quality, collaborative projects. Adept at utilizing AWS, Docker, Kubernetes, and other technologies to drive system enhancements and ensure seamless operations.

SKILLS

Java	Spring Boot
Microservices	Restful Services
React js	MySQL
Mongo DB	Log4j
Hibernate	Junit
Mockito	PowerMock
Git	AWS
Docker	Kubernetes
Apache Kafka	Redis Cache
ELK Stack (Elasticsearch, Logstash, Kibana)	SonarQube
Jenkins	Agile methodology
Postman	Swagger
Sonar Qube	Jira

EMPLOYMENT HISTORY

Senior Software Engineer, GE Healthcare / Joulestowatts, Bengaluru

JANUARY 2025 – PRESENT

NMCT (CT Scan Machine)

As a Senior Software Engineer in the CT(Computed Topography) team:

- Developed and implemented an automated deployment pipeline for CT modules, significantly reducing manual deployment time and enhancing team productivity for the local testing.
- Designed and integrated Restful APIs to introduce new feature requirements, ensuring seamless functionality and compatibility.
- Identified and resolved multiple defects and bugs, ensuring system reliability and high-quality performance.

Senior Software Engineer, Trellix/McAfee India, Bengaluru

AUGUST 2021 – OCTOBER 2024

ePolicy Orchestrator

As a Senior Software Engineer in the IAM team:

- **Led the Migration to Keycloak:** Directed the migration from Okta to Keycloak as the Identity Provider, managing all aspects from planning to execution, configuring user management, and ensuring a seamless transition.
- **Implemented End-to-End Login Workflow:** Developed and integrated a secure, end-to-end login workflow, including implementing Single Sign-On (SSO) functionality via Identity Provider (IdP) for enhanced user experience.
- **Robust Audit Logging System:** Designed and implemented a comprehensive audit log system to improve traceability and accelerate issue resolution.
- **Database Optimization:** Enhanced database performance by optimizing queries and indexing strategies, significantly reducing load times and improving application responsiveness.
- **Git Workflow Streamlining:** Streamlined the Git workflow, resulting in a 20% reduction in merge conflicts, which improved development efficiency and reduced overhead.
- **Technical Documentation:** Authored and maintained high-quality technical documentation and user guides, contributing to better knowledge sharing and smoother onboarding.

Software Engineer, Nagravision India, Bengaluru

JULY 2019 – JULY 2021

keySTREAM/ISEP (IoT Security Platform)

- Developed the **keySTREAM IoT platform** with a microservices architecture, enabling secure IoT device management and scalability.
- **Enhanced API performance** by refining database queries, achieving faster response times and better user experience.
- Integrated **Stripe** for payment processing, expanding transaction capabilities for the platform.
- Developed a comprehensive **JUnit test suite** with 100% test coverage, boosting code reliability by 40% and reducing post-release defects by 30%.
- Authored **comprehensive API documentation** and testing procedures, reducing new developer onboarding time significantly.
- Refactored legacy code with **design patterns**, cutting technical debt by 50% and improving maintainability.
- Managed **Agile projects in Jira**, consistently delivering on time and within budget.

PoC Factory Automation (keySTREAM and App Server Integration)

- Developed a **PoC Factory Automation suite** integrated with App Servers and custom UIs, showcasing keySTREAM capabilities.
- Demonstrated features including **Zero Touch Provisioning (ZTP)**, **end-to-end encryption**, and **device management** via Azure IoT Hub for secure and efficient IoT management.

Software Engineer, IGlobal Consulting, Bengaluru

JUNE 2017 – JULY 2019

Oeata (Delivery Management System)

- **Developed a delivery management platform** for merchants, providing real-time status updates for efficient and cost-effective parcel delivery.
- Implemented **RESTful APIs** for microservices interaction, enhancing scalability and system performance.

- Designed an intuitive **merchant interface** that streamlined order management and tracking, reducing operational time significantly.
- **Optimized system performance** with advanced caching and load balancing, reducing latency by 35% and boosting user experience.

EDUCATION

Bachelor of Engineering In Information Technology, Rajiv Gandhi Proudtyogiki Vishwavidyalaya, Indore

JULY 2013 – MAY 2017