

DHANUSH S

Software Engineer | React · TypeScript · GraphQL | Java · Spring Boot · Microservices
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PROFESSIONAL SUMMARY

Software engineer with 4 years of experience building enterprise web applications and backend services. Currently delivering React/TypeScript features with GraphQL integration on IBM Maximo Application Suite (Graphite UI framework); previously designed Java/Spring Boot microservices, REST APIs and PostgreSQL data layers for a multi-cloud security SaaS. Strong in automated testing, CI/CD and debugging distributed systems, and used to owning features from ambiguous requirements through release.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Java, SQL, Python

Frontend: React, IBM Graphite / Carbon Design System, GraphQL (typed queries, data contracts, client caching), enterprise UI development, Jest, Playwright

Backend: Spring Boot, Spring MVC, Spring Security, JPA/Hibernate, Node.js, REST API design, microservices, event-driven messaging (Kafka, RabbitMQ), distributed systems

Data: PostgreSQL, MySQL, Redis — schema design, indexing, partitioning, ACID transactions, query-plan tuning

Cloud & DevOps: AWS, Azure, GCP, Docker, Kubernetes, GitHub Actions, Jenkins, CI/CD pipelines, Linux, structured logging, metrics and observability

Practices: Automated testing / TDD (JUnit 5, Mockito, Jest, Playwright), code review, Git, Agile/Scrum, debugging

PROFESSIONAL EXPERIENCE

IBM India Software Labs — Software Engineer

Bengaluru, India · Nov 2024 – Present

Maximo Application Suite & Envizi — enterprise SaaS platforms; Graphite UI framework (React/TypeScript)

- Build and ship React/TypeScript features for Maximo Application Suite on IBM's Graphite framework (Carbon Design System), delivering enterprise screens across 12+ product modules from design review to release.
- Integrate GraphQL APIs into the UI layer — typed queries, pagination and client-side caching — for KPI and currency-normalisation features spanning 20+ regions, keeping data contracts stable through a platform migration.
- Maintain automated unit and end-to-end test suites (Jest, Playwright) wired into CI; debug and resolve production defects using structured logs and metrics so root-cause analysis is measured rather than guessed.
- Collaborate with backend (Spring Boot/GraphQL) and design teams on UI data contracts and feature delivery.

CloudDefense.AI — Software Developer (Backend)

Remote (US company) · Mar 2024 – Sep 2024

Cloud-security SaaS — multi-cloud security-posture platform

- Designed and shipped Spring Boot microservices from scratch powering multi-cloud (AWS/Azure/GCP) security-posture dashboards for 50+ enterprise tenants; owned REST API contracts and integration boundaries end to end.
- Decoupled high-volume scan ingestion from processing with an asynchronous, message-driven pipeline (Kafka/RabbitMQ), removing a throughput ceiling and letting the processing tier scale horizontally.
- Modelled and tuned PostgreSQL schemas for ingestion and analytical queries; held p95 query latency under 200 ms through index design, table partitioning and query-plan tuning as data volume grew.
- Built a policy-evaluation engine automating 100+ compliance controls (NIST, CIS, ISO 27001) with strict correctness and data-integrity checks on every evaluation path.

Virtusa Consulting Services — Associate Engineer

Chennai, India · May 2022 – Jan 2024

- Developed Java/Spring Boot services and REST APIs for enterprise client workflows, adding validation, error handling and observability hooks that reduced recurring production incidents.
- Profiled and rewrote slow SQL queries and refactored JPA/Hibernate data-access layers, improving endpoint latency on the highest-traffic workflows.
- Delivered containerised microservice components through Docker and CI/CD pipelines in an Agile/Scrum team; reviewed code and mentored newer engineers on Spring Boot patterns.

PROJECTS

Zerqis — Microservices Dependency Mapper — Java, Spring Boot, React/TypeScript github.com/dhanushsss

- Static-analysis tool that parses service source and configuration into a dependency graph, computes blast radius, detects cycles and resolves service ownership; traversal and cycle-detection written from scratch, with an interactive React/TypeScript graph UI.

SQL Query Insight Assistant — Python, PostgreSQL, LLM tooling

- Parses PostgreSQL EXPLAIN plans to find the real cost drivers in slow queries and recommends index and rewrite fixes, pairing deterministic plan analysis with LLM-generated explanations.

EDUCATION & CERTIFICATIONS

B.Tech, Information Technology — KCG College of Technology (Anna University), Chennai

2018 – 2022

Oracle Certified Java Associate