# Divakaran T

Software Engineer | Backend

⊙ Chennai, Tamilnadu

☎ +91 739 749 0545

@ dhvakr@gmail.com

🔗 https://linkedin.com/in/dhvakr/

🔗 https://github.com/dhvakr

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## Technical Skills

### Programming Language

Java 21, Go (Beginner)

### Frameworks

Spring Boot (3.x), Spring Security, Hibernate/JPA, Maven, Gradle, FastAPI

### Messaging & Streaming

SSE, WebSockets, Kafka

### Cloud & DevOps

Gitlab CI/CD, Docker, Linux, AWS(EC2. EKS. Lambda. SNS), API Gateway

### Databases

PostgreSQL, Redis

### Observability & Monitoring

Jaeger, Prometheus

### Architecture & Design

Microservices Architecture, Event-Driven Design, API Gateway Patterns, OAuth2.0/OIDC flows

## Awards

### Chief Guest Invitation
College Club Inauguration

Honored as keynote speaker for technical achievements and industry contributions

### Best Find Of The Year
Grootan

Recognized for exceptional contributions to product development and technical innovation

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## Summary

Backend Engineer with over 3.5 years of experience developing distributed, cloud-native systems using Java and Spring Boot. Specialized in building scalable microservices, optimizing performance under heavy load, and leading cross-functional teams to drive end-to-end development of robust production-grade solutions. Passionate about clean architecture, automation, and improving developer efficiency.

## Work Experience

**Solinas Integrity**                    **September 2024 - Present**

Software Engineer                                    Chennai

- Implemented custom keycloak IAM flow solutions with SSO, achieving a 90% faster customer onboarding while strengthening security.

- Led end-to-end integration of Python-based AI services into Java microservices, building APIs and callbacks for consistent, on-demand defect detection.

- Designed optimized microservices-based backend architecture, driving POCs, R&D, and mentoring developers to deliver scalable, high-performance solutions. Achieved 30% faster response times under 1k concurrent users for inference workflows.

- Collaborated with cross-functional teams (UI/UX, hardware, AI) to enhance usability, integrate IoT with GIS for real-time pipeline robot tracking.

- Designed and executed comprehensive test plans by using observability with Jaeger and Grafana.

- Aligned stakeholders through regular updates, improvements, and smooth project delivery.

**Grootan Technologies**            **February 2022 - August 2024**

Software Engineer                                    Chennai

- Implemented and managed OAuth2.0 / Keycloak IAM solutions in enterprise environments.

- Developed BPMN-based workflow automation with REST/Webhook integration, reducing manual effort and improving efficiency.

- Led a team of engineers building an Identity & Access Management (IAM) solution, optimizing database queries and reducing authentication latency by 80%.

- Implemented Kafka-based job queues with caching to improve throughput and system reliability.

- Improved system observability and resolved performance bottlenecks by profiling with Jaeger and tuning Hibernate/JPA queries.

- Collaborated directly with clients to gather requirements, present solutions, and manage communications while contributing to knowledge-sharing initiatives.

## Volunteering

### Solinas
SWE

- Published 2 technical articles on microservices, SSE, and backend optimization.

- Actively volunteered in CSR initiatives at the workplace, supporting community development.

### Grootan
SWE

- Contributed to GitHub Advisory Database reliability for the IAM community.

- Volunteered as a peer mentor providing guidance for junior developers in backend problem-solving.

## Soft Skills

**Attention to Detail**

**Critical Thinking**

**Problem Solving & Debugging**

**Mentorship & Team Leadership**

**Stakeholder Management**

## Projects Experience

### Swasth AI Platform | Solinas Integrity

Clients: Government Bodies

- Developed end-to-end Java microservices backend from scratch powering the AI-driven defect detection web application, implementing API workflows that connected government systems to streamline defect reporting and decision-making.

- Implemented backend workflow with REST APIs, SSE, WebSocket for real-time inference status updates and audit logging using ELK.

- Integrated Standalone Python inference services via Flask API and Redis caching — achieving 100% faster inference delivery while eliminating manual setup overhead.

- Designed and deployed cloud infrastructure on AWS (Docker, EC2, EKS, Lambda).

### EZTO Auth (IDaaS) | Grootan Technologies

Clients: KOBIL, IBM

- Led a team of engineers to design and deliver a comprehensive IAM platform (EZTO Auth) built on keycloak.

- Built a customer onboarding dashboard and designed end-to-end authentication flows (login, signup, recovery), Which is adopted by healthcare clients for secure onboarding with compliance requirements.

- Performed vulnerability assessments and fixes, strengthening platform resilience against OWASP Top 10 threats and ensuring enterprise-grade security.

- Scaled the platform to onboard 5k+ users per second in production by optimizing Keycloak, database queries, and caching strategies to handle live traffic seamlessly.

- This achievement earned recognition as the **"Best Find of the Year"** award, for driving product adoption and performance excellence.

### Digital Signature Platform | Grootan Technologies

Client: KOBIL

- Built a secure digital electronic signing product with flowable integration, adding caching layers and Kafka-based job queues to handle high-volume transactions across enterprise tenants which enabled the signing speed by 60%.

## Education

**Alpha College Of Engineering**                    **March 2019 - March 2022**

BCA