Akash Fernandes

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LinkedIn | GitHub | Portfolio

Profile

Results-oriented **Java / Full-Stack Developer** with experience in Spring Boot, REST APIs, Angular UIs, and microservices. Built and maintained an online assessment platform and a Loyalty Management (**LMS**) application supporting login, role management, notification management, dashboards, customer and transaction management, points, redemptions, reports, and settings. Passionate about clean code, testing, and performance.

Skills

– **Languages:** Java, TypeScript, SQL, HTML/CSS
– **Frameworks:** Spring Boot, Spring Data JPA, Spring Security, Angular, Hibernate
– **Data:** PostgreSQL, Kafka (basics), Elasticsearch (basics)
– **Tools:** Git, Maven, Docker, Postman, GitHub Actions

Experience

Loyalty Management System (LMS)   Nov 2024 – Present
Java Developer | Remote/India

– Designed and developed a robust **role-based user management system** with JWT authentication and dynamic permission handling, ensuring secure access control during onboarding.
– Implemented configurable **notification & email modules** triggered by roles, permissions, and modules, enabling flexible delivery through checkbox-driven settings.
– Delivered end-to-end loyalty workflows including **customer onboarding, point allocation, redemption, reporting, settings, and failed rule capture**, improving feature delivery speed by **25%**.
– Designed and optimized RESTful APIs using **Spring Boot, Hibernate, Spring Data JPA, and Elasticsearch**; applied indexing and pagination for high-volume datasets to reduce latency.
– Integrated **Apache Kafka** for event-driven microservices with resilient consumers, retry mechanisms, and seamless inter-service communication.
– Migrated datasets to **PostgreSQL**, tuning indices and queries for faster reads and scalability.
– Enhanced system scalability via **Docker containerization** for backend and frontend services, improving deployment efficiency.
– Improved UI/UX with **Angular dashboards**, delivering responsive, user-friendly admin and customer modules.

Online Assessment Platform   Sep 2024 – Nov 2024
Full-Stack Developer | Remote/India

– Developed a full-stack platform with role-based access for creating, assigning, and scheduling online tests.
– Implemented automated email notifications for test assignments and login-based redirection to candidate dashboards.
– Built a real-time scoring and result engine that auto-shares results with candidates, admins, and higher authorities.
– Enhanced user management, scheduling, and result tracking with secure, modular dashboards.
– Designed reusable Angular components (tables, modals) to improve UI and reduce code duplication.
– Delivered backend APIs using **Spring Boot, Hibernate, and PostgreSQL**; containerized services with **Docker** for consistent deployments.

Projects

Loyalty Management System (LMS – mSparsh)   Nov 2024 – Present
Tech Stack: Java, Spring Boot, Hibernate, PostgreSQL, Elasticsearch, Kafka, Docker, Angular, HTML, CSS, TypeScript

– Designed and developed a scalable loyalty platform to manage customers, rewards, and redemptions.
– Implemented **role-based user management** with dynamic permission handling and automatic role filtering.
– Built a configurable **notification & email engine** with checkbox-based controls for flexible alerts.

- Added data export functionality for module-specific downloads directly from the server.
- Integrated **Kafka** for event-driven microservices and **Elasticsearch** for advanced search and reporting.
- Containerized backend and frontend services using **Docker** to improve deployment and scalability.
- Delivered a responsive **Angular UI** with dashboards for administrators and customers.

Online Assessment Application   Sep 2024 – Nov 2024
Tech Stack: Spring Boot, Hibernate, PostgreSQL, Angular

- Developed a full-stack assessment platform to streamline test creation, scheduling, and assignment for students and employees.
- Implemented admin features with **role-based access** for managing tests, questions, users, and results.
- Integrated **automated email notifications** to alert users when tests are assigned.
- Designed a **login-based redirection flow**, automatically guiding users to their assigned tests.
- Built a **real-time scoring and result engine**, sending results to candidates, admins, and higher authorities.
- Delivered a responsive **Angular frontend** with secure **Spring Boot REST APIs** for reliable backend operations.

Education

- **BSc (PMCs)**, Government Arts and Science Autonomous College, Karwar, KUD   *2022*
  Percentage: **85.78%**
- **PUC (PCMB)**, Government Pre-University College, Karwar, DPE   *2019*
  Percentage: **71.83%**
- **SSLC**, B G V S Adarsh Vidyalaya, Karwar, KSEEB   *2017*
  Percentage: **87.84%**

Certifications

- Certified in **Java Full Stack Development**

Language Skills

English | Hindi | Kannada | Konkani | Marathi

Interpersonal Skills

Teamwork | Interactive | Planning | Quick Learner | Self-Motivator

Keywords (ATS)

Java, Spring Boot, REST API, Microservices, Angular, JPA/Hibernate, PostgreSQL, Kafka, Docker, JWT, Testing, Maven, Git