

README – SMSCO Platform

Prepared by a Senior Solution Architect with 30+ years of experience in enterprise platforms and SaaS design.

Overview

SMSCO is a smart administrative and employment platform tailored for the Saudi market. It aims to bridge companies, professionals, and government-related services under one unified digital platform.

The platform supports bilingual operations (Arabic/English), modern UX/UI, advanced analytics, smart job matching, and scalable SaaS modules.

Platform Structure

- Backend: Spring Boot (Java) with JPA, REST APIs, JWT Auth, and multilingual support
- Frontend: React / Next.js with Tailwind, i18next, dynamic routing, and responsive UI
- Database: PostgreSQL (modular, relational)
- Messaging: Internal messaging + notification engine
- Features: CV Builder, Job Board, Company Dashboard, Analytics, Contracts

Core Features

- Dual User Types: Individual job seekers and registered companies
- Smart Job Matching System
- CV Builder and PDF Export
- Company Management Interface
- Secure Role-based Access (Admin, Company, Individual)
- Subscription Tiers with Monetization Plans
- Real-time Dashboards and Notifications
- Fully bilingual (RTL/LTR support)

Deployment & Installation

1. Clone the repository
2. Configure `application.yml` with database and JWT settings
3. Run Spring Boot backend (`mvn spring-boot:run`)
4. Launch frontend using `npm run dev`
5. Ensure i18n folder and assets are correctly loaded

Target Environment

- Cloud-ready (Docker/Kubernetes optional)
- Compatible with Vercel, AWS, Azure
- Arabic-first but international-ready

Contribution

- Pull requests are welcome for frontend, backend, or feature proposals
- Use feature branches (e.g., `feature/matching-engine`)
- All code should follow SMSCO naming and styling conventions

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