ADEL SALEH

Senior Backend Engineer | Ruby on Rails | Integration Architecture & Payments

Location: Al Mukalla, Yemen | Open to Remote Roles & Relocation across Saudi Arabia / GCC

+967 770 382 501 | adelsaleh46@gmail.com | linkedin.com/in/adel-saleh96 | github.com/Adel-Saleh96

PROFESSIONAL SUMMARY

Senior Backend Engineer with 7+ years of experience building and scaling multi-tenant SaaS on Ruby on Rails and PostgreSQL. Delivers payment, billing, and CRM integrations (MyFatoorah, Chargebee, HubSpot, Planhat, Foodics) for an HR and payroll platform serving 6,000+ companies and 2M+ employees across the GCC/MENA region. Cut a critical query over 11M+ records from ~25-30 seconds to under 3 seconds. Strong in asynchronous processing with AWS SQS, test-driven development with RSpec, code reviews, and mentoring. Uses AI-assisted development (Cursor, Claude Code, Codex) to ship full-stack features faster.

CORE COMPETENCIES

Backend Architecture | Multi-Tenant SaaS | RESTful API Design | Payment Gateway Integration | Third-Party Integrations | PostgreSQL Performance Tuning | Asynchronous Processing | Webhook Idempotency | Test-Driven Development | Code Review & Mentoring | Digital Pathology Workflows

TECHNICAL SKILLS

Languages & Frameworks: Ruby, Ruby on Rails, JavaScript, SQL

Databases & Storage: PostgreSQL, Redis, AWS S3

Async & Messaging: AWS SQS, Shoryuken, Sidekiq, ActiveJob

Integrations & Payments: MyFatoorah, Chargebee, HubSpot, Planhat, Foodics, Pathomation API

Testing & Quality: RSpec, Test-Driven Development (TDD), Snyk

Tools & Monitoring: Git, GitHub Actions, Datadog, New Relic, Rollbar

AI-Assisted Development: Cursor, Claude Code, Codex

PROFESSIONAL EXPERIENCE

JisrHR

Al Mukalla, Yemen | 2020 - Present

HR and payroll SaaS platform serving 6,000+ companies and 2M+ employees across the GCC/MENA region

Senior Software Engineer

2025 - Present

- Optimized a critical PostgreSQL aggregation query across 11M+ Foodics order records using a composite index and a query rewrite, reducing execution time from ~25-30s to under 3s (~90% latency reduction) and cutting background sync worker runtime by ~35%.
- Designed and built the seats and subsidiaries module: multi-entity data models and role-based access control (RBAC) that let parent organizations pay for subsidiaries and allocate or transfer seats, directly shaping the billing model and MRR reporting.
- Integrated the MyFatoorah payment gateway for KSA and GCC customers, delivering automated subscription billing, one-time top-ups, and webhook event processing.
- Engineered idempotent payment webhook handlers using transaction boundaries and unique idempotency keys to ensure reliable reconciliation across GCC payment gateways.
- Expanded RSpec test suites for high-risk payment and billing workflows to prevent regressions in production releases.
- Conduct code reviews that enforce SOLID principles and clean architecture; mentor engineers on technical design, debugging, and TDD.
- Break complex requirements into incremental deliverables and coordinate production releases through GitHub Actions CI/CD workflows.
- Use Cursor, Claude Code, and Codex to accelerate delivery of full-stack features across backend and frontend.

Mid Software Engineer

2020 - 2025

- Delivered core Ruby on Rails API features for a multi-tenant SaaS platform backed by PostgreSQL, partnering with product, frontend, and QA teams to ship RESTful APIs.
- Built the Chargebee integration to automate subscription lifecycle management and invoice synchronization.
- Integrated HubSpot so that a closed-won deal triggers a webhook that automatically creates the customer organization in the platform database; integrated Planhat with the platform.
- Implemented asynchronous processing with AWS SQS (Shoryuken) and background jobs, with failure monitoring in Rollbar.

- Refactored legacy code, optimized PostgreSQL queries, and migrated legacy database schemas to improve response times and maintainability.
- Participated in code reviews and RSpec unit testing; supported release preparation and deployments under senior and lead guidance.

Clickapps
Al Mukalla, Yemen | 2018 - 2020

Backend Engineer

- Built and maintained Ruby on Rails backends and RESTful APIs for multiple client mobile and web applications.
- Designed PostgreSQL schemas for client applications and followed coding standards and engineering best practices.
- Collaborated with cross-functional teams to deliver scalable, high-quality solutions.

PROJECTS

Digital Pathology Platform (Client Project)
Backend Engineer

- Built backend workflows from the ground up for a digital pathology platform covering high-resolution medical slide and image management.
- Integrated the Pathomation API for slide management and metadata processing, with secure backend pipeline handling.

Sanad
Personal Project (In Development)

- Architecting an offline-first, multi-tenant administrative and education management SaaS platform.
- Stack: Ruby on Rails 8, PostgreSQL, and a Preact progressive web app (PWA) with offline capability.

EDUCATION

Bachelor of Information Technology
2014 - 2018

University of Sciences and Technology, Yemen | Al Mukalla

CERTIFICATIONS

- **Database Design and Basic SQL in PostgreSQL** | Coursera | Aug 2022 | Credential ID: 845GRSXNRKLH
- **Optimization of SQL Query Tuning and Performance** | Coursera | Jul 2022 | Credential ID: 6SR5UYZQWMHA
- **Using Ruby on Rails with Cloud SQL for PostgreSQL on Cloud Run** | Coursera | Jun 2022 | Credential ID: WFQXNCLYJM4J
- **AWS S3 Basics** | Coursera | Aug 2022 | Credential ID: L9QCDK8Q4D8A
- **API Testing a Real Web Application via Postman** | Coursera | Sep 2022 | Credential ID: J8CSWQYLUUPV

WRITING AND TECHNICAL ARTICLES

- **Using SQS with Shoryuken in Rails: Basics** | Medium (CodeX) | medium.com/codex/using-sqs-with-shoryuken-in-rails-basics-78ab87cd8734

LANGUAGES

Arabic: Native | **English:** Professional Working Proficiency