

# Alaa Sayed Nayel

Full Stack developer

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## Summary

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Full Stack Developer with two years of experience in building scalable web applications using Java Spring Boot, Spring Data, and React. Skilled in both back-end and front-end development with strong knowledge of RESTful APIs, database integration, and responsive UI design. Focused on writing clean, maintainable code and optimizing application performance to deliver reliable, high-quality software solutions.

## Skills

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Front-End:

- Next.js, React.js, JavaScript, TypeScript, HTML5, CSS3, tailwind, Redux, shadcn

Back-End:

- Java, Spring Boot, Spring Data JPA, RESTful APIs, Websocket, microservice, grpc, kafka(basic), Hibernate, Maven

Databases:

- MySQL, PostgreSQL, MongoDB

Tools & Others:

- Git, GitHub, Postman, Docker (basic), Linux (basic)

## Work history

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### FullStack developer, Prameg, Saudi Arabia, july 2025 – until now

Full Stack Developer specializing in React, Next.js, and Spring Boot, with experience in building secure RESTful APIs using Spring Data & Spring Security. Focused on scalable architecture, clean code, and responsive user experiences.

### Frontend react developer, Prameg, Saudi Arabia, april 2024 – july 2025

- Pioneered modular React.js component library utilizing TypeScript and Tailwind CSS, accelerating front-end development speed by 30% and ensuring design consistency across all Parameg web applications.
- Integrated RESTful APIs, reducing data fetching latency by 20% and improving overall application responsiveness.
- Enhanced accessibility & cross-device compatibility, resulting in a 15% increase in mobile user satisfaction scores.

## Projects

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### -Patient Management System (Microservices | AWS)

[View project](#)

A full-stack patient management system built with a microservices architecture, secure authentication, and scalable cloud deployment.

- Built a production-ready microservices system using **Spring Boot**, **gRPC**, and **Kafka**.

- Implemented secure authentication with **Spring Security & JWT** and centralized routing via **API Gateway**.
- Containerized services with **Docker** and deployed to AWS ECS using **CloudFormation (IaC)**.

### **-DealDrop – Full Stack Product Price Tracker**

[View project](#)

A full-stack web application that allows users to track product prices and receive email notifications when prices drop.

- Built a modern full-stack application using **Next.js, React, and JavaScript** with a responsive, user-friendly UI.
- Implemented **web scraping** to fetch product pricing data and store historical price changes.
- Developed **scheduled background jobs** to periodically check prices and detect drops automatically.
- Designed and integrated **RESTful APIs** for product tracking, price monitoring, and user subscriptions.
- Focused on clean architecture, scalability, and real-world use cases inspired by production systems.

### **-The Wild Oasis – Hotel Management Dashboard**

[View project](#)

A full-stack hotel management dashboard. It allows hotel staff to manage cabins, bookings, and guests efficiently.

- Implemented authentication & authorization with Supabase backend, securing access for 100+ test users.
- Built CRUD operations with React Query, improving data fetching speed by 40%.
- Designed a responsive admin dashboard UI with Styled Components & React Router, ensuring cross-device compatibility for 95% of devices.
- Leveraged Context API and React Query for efficient state management, reducing unnecessary re-renders by 30%.

**-For more project visit my Github**      [GitHub](#)

#### **Education:**

B.Sc. Mechatronics Engineering, Minia University (2017–2022)

- GPA: 2.84 (B-) | Graduation Project: A (Excellent)