

KARIM KHALED

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Analytical, organized, and detail-oriented software engineer with expertise in modern programming languages and software development best practices. Collaborative team player with a problem-solving mindset and a track record of delivering high-quality solutions to drive innovation and business success.

EXPERIENCE

SOFTWARE TRAINEE

PGESCO | Power Generation Engineering and Services Company

2023 – 2023

Worked on the development of an internal task management system inspired by Jira to streamline project tracking and team collaboration within the organization

FITAI

AI-POWERED PLATFORM DESIGNED TO HELP CLIENTS ACHIEVE THEIR PERSONAL DIET GOALS EFFICIENTLY AND EFFECTIVELY

- **Real-Time Notifications:** Integrated with Firebase and FCM Token for instant updates and reminders.
- **Nutrition Scanner:** Scan food items to calculate detailed nutritional analysis.
- **Diet Maker :** Ai Model Used to make Diet plans to reach max level of personalize for each client

Tech Stack : NestJS - React - Firebase - PostgreSQL

CODK

PLATFORM DESIGN TO HELP DEVELOPERS ENHANCE THEIR PROBLEM SOLVING SKILLS

- **Real Time Leaderboard :** real time context updates
- **Analytic dashboard :** to visualize for the developers their learning journey

Tech Stack: NestJS - gRPC

EDUCATION

BACHELOR OF COMPUTER SCIENCE, MAJOR IN ARTIFICIAL INTELLIGENCE

SEPTEMBER 2021 - PRESENT

SKILLS

- React.js (Hooks, Context API, Redux, Next.js), TypeScript, JavaScript (ES6+), Styled Components, Tailwind CSS
 - NestJS (TypeScript, Dependency Injection, Modular Architecture)
 - RPC, gRPC, Protocol Buffers
 - **APIs & Real-Time Communication:** RESTful APIs, WebSockets
 - **Design Patterns & Version Control:** Good knowledge
 - **Authentication & Authorization:** JWT, OAuth
 - **Software Architecture:** Microservices, Monolithic
 - **Data Structures & Algorithms:** Strong problem-solving skills
 - **Object-Oriented Programming (OOP):** Good understanding
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