

# Yassen Ibrahim

0929209456

Sabratha – Libya

[GitHub](#) | [LinkedIn](#)

[enqyassenibrahim@gmail.com](mailto:enqyassenibrahim@gmail.com)

## Software Developer

Libya —

- Developing backend systems using **Django**, **Node.js**, and **Express**, focusing on clean architecture, scalability, and high reliability.
- Building and maintaining **RESTful APIs**, authentication systems, and database-driven services using **PostgreSQL**, **MySQL**, and **SQLite**.
- Working with cloud platforms such as **Railway**, **Vercel**, and **Linux servers**, deploying web apps and optimizing performance.
- Creating modern frontends and mobile apps with **React** and **React Native**, including UI animations and reusable component design.
- Writing technical documentation, designing system architecture diagrams, and improving code quality through testing and refactoring.
- Handling real-world projects end-to-end: gathering requirements, implementing features, debugging issues, and improving reliability.
- Improving application performance, minimizing RAM/CPU usage, and hardening Linux systems for secure backend deployments.
- Actively learning advanced topics such as **Rust**, system design, distributed systems, and cloud security.

## Independent Research & Learning — Software Engineering

- Studying advanced topics including **Data Structures & Algorithms**, **Object-Oriented Design**, **System Architecture**, and **API design**.
- Practicing code quality principles (clean code, modularity, error-handling, logging, testing).
- Exploring DevOps fundamentals: containers (Docker), CI/CD basics, server hardening, and resource-efficient Linux setups.
- Working on personal projects such as backend systems, cross-platform apps, hosting platforms, and cloud-like infrastructures.

- Continuously improving English communication and technical writing through daily practice.
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## Projects

### HabitFlow — Smart Habit Tracker (Full-Stack Application)

- Built a professional habit-tracking platform with gamification and progress visualization, focused on clean UI and scalable architecture.
- Implemented JWT-based authentication, habit management, point-based gamification, real-time dashboards, and interactive charts using React, TypeScript, Node.js, Express, Prisma, and PostgreSQL.

### Planova — Full-Stack Project Management System (Next.js, TypeScript, PostgreSQL)

- Built a modern project management platform with authentication, role-based access control,
- real-time notifications, Kanban boards, task tracking, team collaboration, and a clean dashboard UI using Next.js, Prisma, and PostgreSQL.

### Small Utility Apps (React, React Native)

- UI components, animations, API calls, local storage, and design experiments.
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## Technical Skills

### Backend & APIs

- Python, Django, kotlin
- JavaScript, Node.js, Express

### Frontend

- React, React Native

- HTML5, CSS3, TailwindCSS

## Databases

- PostgreSQL, MySQL, SQLite

## DevOps / Systems

- Linux (Ubuntu, Garuda)
- Deployment with Railway, Vercel, Nginx
- System hardening, performance optimization
- Git & GitHub workflows

## Other Interests

- Rust (learning), distributed systems
  - Cloud platforms, VPS hosting
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## Strengths

- Works for long focused hours without supervision
- High discipline, strong problem-solving, fast learner
- Clear communication, attention to detail
- Passion for building robust, efficient systems
- Ability to design both backend logic and UI components