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## Rayyan Aqil

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 [LinkedIn](#) • [GitHub](#) • [Portfolio](#)

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## Software Developer

I build backend systems, automate workflows, and turn ideas into functional, scalable software products.

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## Experience & Projects



### Django Real-Time Blog

A full-featured blog platform with live updates and user engagement.

- Real-time notifications using Django Channels + Daphne
  - CRUD blog posts, image uploads, likes & comment moderation
  - Profile system (bio, profile pic, social links, following/blocking)
  - Bootstrap 5 frontend with ZenQuotes API
  - Signals trigger live WebSocket alerts
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### Spectra — Ethical System Experiments

A sandbox repository for ethical, system-level tool building in Python.

- Built tools for screenshots, webcam access, sound recording, system usage tracking
- Technologies: Tkinter, OpenCV, Sounddevice, PyAutoGUI, Psutil

- Emphasis on ethical use and legal safety
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## **PDF Merger & Extractor**

Desktop utility app to merge or extract specific PDF pages.

- UI built in Tkinter
  - PyPDF2 for PDF operations
  - Features: File browser, auto-save, file previews
  - Upcoming: Drag & Drop, dark mode, multi-language support
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## **Encro — Secure Chat Platform**

A full-stack, real-time communication system.

- Django + Django REST + Channels backend
  - Flutter frontend with clean UI
  - Features: Group chat, JWT authentication, real-time updates, user blocking
  - Built with microservices mindset for future modularity
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## **Rayyan's Portfolio Website**

Professional developer portfolio showcasing projects and skills.

- Built with React (Vite), Tailwind CSS
- Deployed via Railway
- Features animated project cards, detail pages, and resume section

- Clean, minimalistic design with Framer Motion integration
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## **React + Firebase Chat App (*Learning Project*)**

A frontend-focused real-time chat system.

- Firebase Firestore, Auth, and Storage
  - Zustand for state management
  - Still under testing; planning Django backend integration
  - Based on Lama Dev's tutorial, extended with own improvements
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## **Skills**

### **Languages:**

Python (advanced), Dart, JavaScript (intermediate), C++ (basic)

### **Frameworks & Tools:**

Django, Django REST, Django Channels, Flutter, Firebase, Tailwind, Tkinter

### **Databases:**

PostgreSQL, MySQL, SQLite, Firebase Firestore, Neon

### **Dev Tools & Platforms:**

Railway, Render, Firebase Hosting, Docker (learning), Git, GitHub, Vercel

### **Concepts:**

API Design (REST), WebSockets, Authentication, CRUD, Realtime Architecture, Signals, CI/CD

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## **Work Ethic & Personality**

- Logical and detail-oriented

- Self-taught with 3+ years of real-world experience
  - Strong problem solver and fast learner
  - Prioritizes functionality and architecture over visuals
  - Tends to overbuild but ensures quality and maintainability
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## Currently Learning


- Frontend engineering (React + Firebase architecture)
  - Docker and scalable deployment strategies
  - Advanced Django/Channels architecture
  - AWS (planning certifications in DevOps or backend track)
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## Open to Opportunities

Available for:

- Freelance work
- Remote internships
- Backend development, Dev tools, or API engineering roles

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