# Isaac Hayab

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## Education

**Federal University of Technology**                                              Expected November 2030
Bachelor of Science in Computer Science (GPA: 4.88 / 5.0)                                    Minna, Niger
- **Relevant Coursework**: Data Structures and Algorithms(C), Prob. and Stat in CS (Python), Intro to CS II (C) , Linear Algebra w/ Computational Applications (Python)

## Experience

**Kat's & Co, Web3 Solutions**                                                      Jan 2025 – Dec 2025
Backend Engineer                                                                  Remote, Canada
- Built blockchain-enabled web apps (NFTs, tokens) handling 1K+ monthly interactions with 99% tx success.
- Developed smart contracts and Web3 services, cutting manual processing by 70%.
- Automated CI/CD and Linux deployments, reducing release time by 60% and errors by 40%.

**Freelance**                                                                      Feb 2024 – Nov 2024
Backend Engineer                                                                    Lagos, Nigeria
- Built Go & Node.js microservices and REST APIs, improving response times by 35%.
- - Optimized backend performance and DB queries, reducing latency by 30% and errors by 25%.
- - Supported 2K+ users with React interfaces and PostgreSQL/SQLite-backed services.

## Projects

**E-Commerce Backend API |** Go, Gin, PostgreSQL, JWT, Docker, GitHub Actions.

- Developed a scalable RESTful API in Golang with Gin framework, featuring JWT-based authentication and role-based access control for secure user and admin operations.
- Integrated PostgreSQL database with relational models for products, orders, carts, and users, optimizing queries to handle simulated loads of 500+ concurrent requests with minimal latency.
- Set up Docker containerization and GitHub Actions for CI/CD, enabling easy deployment and reducing setup time by 50% for development environments.

**Dropbox Clone API |**  Node.js, Express, MongoDB, MinIO (S3-compatible), JWT, Docker, Docker Compose

- Built a **RESTful API** for a Dropbox-like file storage system using **Node.js and Express**, supporting secure file upload, download, and management.
- Implemented **JWT-based authentication** to ensure secure access to user files.
- Integrated **MongoDB** for user and file metadata storage and **MinIO (S3-compatible)** for scalable object storage.
- Containerized the application with **Docker and Docker Compose** for consistent and easy deployment.

**Edutrackr |** TypeScript, Express.js, MongoDB, JWT, Swagger, Bun, REST API
- Built a **TypeScript & Express.js API** for managing student grades, records, and user accounts.
- Implemented **JWT authentication** to secure endpoints and protect user data.
- Designed and integrated **MongoDB** schemas for users and student performance records.
- Documented APIs using **Swagger**, improving discoverability and team handoffs.
- Structured the backend for **easy deployment and scalability** across environments.

## Technical Skills

Node.js, Express, Golang, REST APIs, WebSockets, Microservices, Authentication, RBAC, System Design, MongoDB, PostgreSQL, MySQL, SQLite, Redis, AWS, EC2, S3, Docker, CI/CD, Linux, Railway, Render, Fly.io, Solidity, Web3 APIs, Smart Contracts, Git, React.js