

MEBUGE KAMSIYCHUKWU BRENDAN

Backend Developer (Node.js | Express | MongoDB | Supabase | REST APIs)

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EDUCATION

Babcock University
Bachelor of Science Software Engineering

Ilishan Remo, Ogun State
2021 - 2025

PROFESSIONAL EXPERIENCE

Freelance Backend Developer

January 2022 – Present

- Designed and developed RESTful APIs and microservices using Node.js, Express.js, and Python
- Built scalable database architectures with MongoDB, PostgreSQL, and MySQL
- Integrated third-party services like Stripe, SendGrid, Cloudinary, and various payment and messaging APIs
- Built authentication systems using JWT, OAuth2, bcrypt, and role-based access control
- Wrote detailed API documentation using Postman and Swagger/OpenAPI
- Collaborated with frontend teams on full-stack MERN applications with seamless integration

PROJECTS

UNILERT | Campus Safety API System | *Node.js, Express, Supabase, MongoDB*

- Backend powering a real-time emergency response app for students
- Enabled role-based access control and incident escalation for admins
- Real-time location updates, alert broadcasts, and event logging integrated with Supabase

ROCKVIEW | Weekly Report Aggregation | *MERN Stack (MongoDB, Express, Node.js, React)*

- Backend system to manage, verify, and report weekly activity logs
- Automated role-based access, secure data storage, and PDF generation
- Integrated admin review pipelines and audit trails

Real-time Messaging API | *Node.js, WebSockets, MongoDB, Redis*

- Built a backend system for real-time messaging with socket authentication
- Stored conversations in MongoDB, optimized using indexes and batching
- Used Redis for managing online presence and instant updates

Payment Gateway Microservice | *Node.js, Express, Stripe API, PostgreSQL*

- Standalone microservice that handles payment flows and subscriptions
- Webhook support for tracking events like failed payments or renewals
- Integrated token-based billing and automated invoice management

FileCloud API | *Node.js, Express, GridFS, JWT Auth*

- REST API for file upload/download with per-user access controls
- File storage via MongoDB GridFS with metadata indexing
- Role-based permissions for admin, owner, and shared users

AUTHYPRO | Authentication Boilerplate | *Node.js, Express, JWT, OAuth2, Bcrypt*

- Modular API for secure user authentication and authorization
- Email/password login, Google OAuth2, password reset via token
- Includes refresh token rotation and IP/device tracking

REPORTIQ | Analytics Ingestion Engine | *Node.js, Express, Supabase, PostgreSQL*

- Ingested external JSON data via webhook and processed it for dashboard visualization
- Enabled time-series querying and user-based analytics with role segregation
- Logged data for frontend charts, tables, and reports

SKILLS & INTERESTS

Backend: JavaScript (Node.js), Python, Java, PHP

Frameworks & Tools: Express.js, Supabase, WebSockets, REST APIs, Stripe API, Redis, Nodemailer, SendGrid, Cloudinary, VMware, Ngrok

Databases: MongoDB, PostgreSQL, MySQL, Supabase

Authentication & Security: JWT, OAuth2, Bcrypt, Role-Based Access, Validation & Sanitization

API Tools: Postman, Swagger (OpenAPI), Axios, RapidAPI

Cloud & DevOps: Docker, Git, GitHub, Linux CLI, Basic AWS (S3, EC2), CI/CD pipelines

Testing: Jest, Supertest, API Mocks, Manual QA

Language: English (native), French & Igbo (basic).

Interests: Augmented and Virtual Reality, Books, Football, Machine Learning, Plants, Startup, Video and board games, UI/UX designing.

CERTIFICATIONS

New Horizons

July

2022 - 2025

- CompTIA A+ Core 1 &2
- Fundamental of Computer Security
- Oracle Database 12C Fundamentals
- Oracle Database 12C Admin Workshop
- Oracle SE8 OCA & OCP
- Android Application Management

COMMUNITY & LEADERSHIP

Babcock University Coding Club

2021 - Present

- Hosted sessions on API design and backend architecture
- Helped juniors understand Express.js and database relationships

Google Developer Student Club (GDSC)

2022 - Present

- Contributed to backend infrastructure of collaborative projects
- Participated in hackathons and developer week coding sprints