

# EMMANUEL ORUNIMIGHEN

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## PROFESSIONAL SUMMARY

Backend engineer with expertise in scalable server-side development using Node.js, TypeScript, and Express.js. Proficient in RESTful API design, database integration (PostgreSQL, Sequelize ORM, Prisma ORM, Firebase, MongoDB), and Google Cloud services, including Cloud Storage and Pub/Sub. Experienced in deploying serverless applications, implementing automated testing with Jest and Vitest, and managing CI/CD pipelines via GitHub Actions and Firebase Hosting. Demonstrated success in delivering secure, efficient, and maintainable backend systems within collaborative, fast-paced environments.

## SKILLS

- Node.js Development
- TypeScript and JavaScript Programming
- Test-Driven Development (TDD)
- RESTful API Design
- Asynchronous Programming
- Event-Driven Architecture (web-hooks)
- API Performance Optimization
- CI/CD Automation with GitHub Actions
- SQL Database Management with Prisma and Sequelize (PostgreSQL)
- NoSQL Database Management (Firebase Firestore, MongoDB)
- Docker Containerization
- Debugging and Troubleshooting
- Database Query Optimization
- Serverless Architecture Deployment
- Technical Document Creation
- Cron Job Scheduling
- Webhook implementation

## EXPERIENCE

### Node.js. Developer | Fanful, US

Oct 2023 – July 2025

*Fanful App – Social Hub for Sports Fans*

- Designed and developed a robust backend architecture using Node.js, Express, and TypeScript, ensuring scalability and maintainability across services.
- Integrated MongoDB using Mongoose, optimizing database operations and enhancing data querying through advanced MongoDB aggregation, which improved app response time by 50%.
- Engineered and integrated webhooks for in-app subscriptions on iOS and Android platforms, enabling real-time updates and seamless billing experiences.
- Utilized AsyncLocalStorage to manage app sessions, eliminating race conditions and improving user session consistency across concurrent requests.
- Built and maintained a cron job service for key automation tasks:
  - Automatically start and close raffles, compute and determine winners.
  - Schedule and send real-time notifications to users at precise times.
- Implemented TypeScript across key services, increasing code maintainability and reducing runtime errors by 25% during the development phase.
- Collaborated with Frontend developers to integrate RESTful APIs, achieving a 20% increase in user engagement through improved functionality.
- Deployed the backend to AWS using EC2, PM2, Docker, Nginx, and ALB, with Auto Scaling Groups for scalability. Automated deployments with GitHub Actions for efficient CI/CD and secure production releases.

**Node.js. Developer | Tropolin Labs Private Limited (Sixteen), India.**  
*Sixteen App – Productivity & Social Challenge Tracker*

**Jul 2023 - Oct 2023**

- Designed and developed a robust backend architecture using Node.js, Express, and TypeScript, ensuring a scalable and maintainable codebase.
- Improved overall app response time by 40% through advanced MongoDB aggregation techniques.
- Engineered and integrated webhooks for in-app subscriptions on the iOS platform, enabling real-time updates and seamless billing experiences.
- Designed and implemented a cron job service to automate challenge lifecycle management – including start/end logic and win/loss determination.
- Integrated MongoDB seamlessly into the application using Mongoose, enabling efficient schema design and data handling.
- Maintained clean and collaborative development workflows with Git and GitHub, contributing to high team productivity.
- Deployed the backend to Heroku using Docker, Git, and Heroku Pipelines, with Auto-Scaling and Load Balancer for scalability. Automated CI/CD with GitHub Actions for secure production releases.

**Node.js. Developer | Evarfinance, Lagos, NG**

**Nov 2022 – Jul 2023**

*Evarfinance – Cross-Border Crypto Payment Platform*

- Designed and developed the company's core application using Node.js, TypeScript, and Express.js, delivering a scalable backend architecture.
- Reduced memory usage by 50% by replacing Google Drive with ImageKit, significantly improving image storage and retrieval efficiency.
- Collaborated effectively with team members using Git for version control and GitHub for streamlined project coordination.
- Seamlessly integrated MongoDB with Mongoose, leveraging advanced aggregation techniques to enhance data querying and boost application response time by 30%.
- Developed a comprehensive testing suite:
  - Unit testing with Jest to ensure code reliability.
  - Integration testing using Supertest to validate end-to-end functionality across APIs.

**Associate Software Engineer | Decagon, Lagos, NG**

**Dec 2021 – Nov 2022**

- Designed, developed, and maintained high-performance mobile applications using Kotlin, ensuring clean architecture and scalability.
- Integrated third-party libraries and APIs to enhance functionality, improve user experience, and streamline development.
- Collaborated with cross-functional teams, including project managers, UI/UX designers, QA engineers, and developers, to deliver high-quality apps on time.
- Conducted thorough debugging and testing to ensure code quality, stability, and crash-free performance across devices.

## EDUCATION

**Bachelor of Engineering: Electrical/Electronics Engineering**

Niger Delta University

**Diploma in Software Engineering**

Decagon Training Institute

## TECHNICAL ACUMEN

Typescript, Node JS (Express), Kotlin, Android SDK, JavaScript, Figma, MongoDB, and Mongoose  
Sequelize ORM, Prisma ORM (Postgresql), Supabase, Stripe API, PayStack (payment gateways), Twilio (SMS service), Nodemailer (Email Service), Heroku, AWS(EC2, ALB, Cloud Watch, VPC, ASG), PM2, Nginx, Jira/Linear, Git/Github, and Git Actions, Google Suite/Microsoft 360

