

JEREMIAH EFFIONG DAVID

Fullstack Developer | AI & Web3 Specialist

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PROFESSIONAL SUMMARY

A results-driven Fullstack Developer | AI & Web3 Specialist with 7+ years of experience building scalable software solutions. Expertise in Python (FastAPI), JavaScript, and developing intelligent systems using LLMs (Large Language Models) and AI Agents. Proven ability to leverage modern technologies like FastAPI, NestJS, Next.js, and Flutter for high-performance backend API and cross-platform development, delivering high-impact, maintainable, and cost-efficient solutions. Intuitive problem-solver with a relentless drive for technical innovation.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript (ES6+), Dart, SQL, Rust (Solana), Tact (TON)

AI/ML & Data: AI Agent Development, LLM Integration, Generative AI (ADK), Redis GEO Spatial Database

Frontend: React, Next.js, Flutter, Electron.js, ShadcnUI, Tailwind CSS, Wordpress

Backend/Frameworks: NestJS, Node.js, Python (FastAPI/Django), REST API, Express.js

Web3: Smart Contracts, Solana, TON Blockchain

DevOps/Cloud: Docker, CI/CD (GitHub Actions/GitLab CI), AWS/GCP (Architectural Knowledge)

Tools/Other: Git, Redis, BullMQ, Jira, Zod, Jest, Cypress

PROFESSIONAL EXPERIENCE

AI & Web3 Developer

Payknox | Remote

May–June 2025

Key Project: Payknox AI Agent (Web3 + Telegram Bot)

- Led the development of Payknox's AI Agent, a Generative AI-powered Telegram bot for financial trading support and sentiment analysis.
- Integrated ADK (Agent Development Kit) to enable real-time user interactions, providing live updates on market trends and Payknox services.
- Engineered secure Web3 interactions within Telegram, allowing users to query blockchain data seamlessly.
- Built the TON Smart Contract for this project with TACT programming language to increase transparency and improve trust for depositing, withdrawing and transferring contract ownership to new users.
- **Key Impact:** Reduced user support queries by 40% via AI automation while improving engagement through dynamic responses.

Chief Technology Officer (CTO)

Byte Stream Innovators Limited | Remote

Dec 2024-2025

- Lead a cross-functional tech team in designing and deploying AI-driven SaaS solutions for global clients, automating customer interactions and business workflows.
- Spearhead AI integration into client systems, leveraging LLMS and RPA to reduce manual tasks by 50%+.
- Architected scalable cloud infrastructures (AWS/GCP) for SaaS products, ensuring 99.9% uptime and seamless scalability.
- Pioneered a proprietary AI framework to personalize customer experiences, increasing client retention by 35%.
- Mentored engineers in Agile/DevOps practices, cutting deployment times by 40% while maintaining code quality.

Fullstack Developer

Drops Ride | Hybrid

2022-2023

Key Project: Ride-Hailing App (Flutter + Redis Optimization)

- Architected and deployed a cross-platform ride-hailing app using Flutter (frontend) and Python (REST API backend).
- Built the high-performance Python backend using FastAPI for rapid development, automatic documentation, and efficient REST API creation, handling high concurrent loads.
- Integrated Redis caching to reduce API latency by 60%, improving ride-matching efficiency and overall performance.

- Integrated Redis GEO Spatial Database to query distance calculations and costing efficiently, reducing reliance on costlier external frameworks.
- Optimized real-time location tracking and fare calculations, enhancing user experience.
- **Key Impact:** System performance improved by 35%, leading to faster booking confirmations.

Software Developer

DIIM Globals | Contract

2021-2022

- Collaborated in a team environment to build custom software solutions for clients.
- Developed React-based dashboards with Python backends leveraging FastAPI (alongside Django/Flask) for building fast, reliable data processing and serving client-facing APIs.
- Automated workflows, reducing manual tasks by 50% for end-users.
- **Key Impact:** Delivered 3+ scalable systems on time, meeting strict client requirements.

Software Developer

Swedish Amenta AB | Remote

2021-2022

Key Project: Automated Log Retrieval & Receipt System

- Built an in-house log retriever that categorized server logs for debugging, improving team efficiency.
- Developed a receipt-generation system, reducing manual processing time by 70%.
- **Key Impact:** Enabled faster bug resolution and streamlined financial documentation.

EDUCATION & CERTIFICATIONS

- Web Development Bootcamp - Udemy
- Complete SEO Master Class - Udemy
- Complete Flutter Master Class - Udemy
- Google Android Development Certificate - Google
- Operations System and You: Becoming a Power User - Coursera/Google
- The Bits and Bytes of Computer Networking - Coursera/Google
- Technical Support Fundamentals - Coursera/Google
- Journey Managers Training and Certification - Shell SPDC
- English Certificate (EF Set Certificate) - EF Set

ADDITIONAL NOTES

- Open to remote, hybrid, or onsite roles in Fullstack, AI Agent, Gaming or Web3 development.
- Strong advocate for clean, accessible, and maintainable code.