REUBEN IDAN

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PROFILE SUMMARY:

Software Engineer with a strong foundation in backend development, data analytics, and cloud technologies. Experienced in building AI-enabled agritech solutions, developing scalable startup products, and supporting cross-functional teams through technical implementations. Skilled in Python, Django, SQL, JavaScript/React, AWS, and cloud-based data workflows. Demonstrated success in delivering digital solutions for pilot users, optimizing workflows for 200+ staff, and contributing to full-stack product development within accelerator environments. Passionate about leveraging technology to deliver impact-driven, scalable systems across Africa's emerging tech ecosystem.

WORK EXPERIENCE:

DataHaul Agritech – Hybrid (Ghana / Remote)   Jul 2024 – Present
Co-Founder

- Designed and led development of an AI-powered analytics platform used by 20 farmers during pilot deployment; improved user access to agricultural insights by 25%.
- Built predictive analytics pipelines (Python, Pandas, scikit-learn) that reduced crop recommendation error by 10–15% during pilot evaluations.
- Developed and optimized core product features: marketplace module, community page, integrated REST APIs, mobile dashboard, and USSD/SMS delivery channels to support low-connectivity users.
- Initiated and led user testing and deployment through Google Developer Console; improved user flow and dashboard usability based on iterative feedback.
- Prepared product for pre-seed readiness through ALX Ventures accelerator participation and contributed to go-to-market strategy.

Open Startup (OST Program) – Tunisia (Remote)   Oct 2025 – Present
Tech Talent / Software Engineer

- Selected as a solo Tech Talent in the Open Startup (OST) Africa 2025–2026 cohort; collaborated with founders and mentors to prototype and scale ventures.
- Contributed to backend and frontend development for Riskspot (cybersecurity startup): authentication, billing integration, phishing simulation functionality, email workflows, and database schema design.
- Participated in venture-building sessions and implemented production-ready features aligned to startup priorities.

Generation Ghana – Accra (Remote)   Jul 2024 – Dec 2024
Freelance Web Developer

- Delivered 3 business websites and web applications using React, JavaScript, HTML/CSS and integrated Paystack for payments and Firebase for real-time features.
- Improved frontend usability and performance; coordinated deployment processes and basic CI/CD steps for client projects.

- Collaborated on Linkhaven web app contributions to enhance core functionality and user experience.

Olam – Tema, Ghana   Oct 2022 – Oct 2023
Information Technology Application Support

- Digitized key operational workflows (ball bearing monitoring, procurement tracking, and HR fleet monitoring), improving engineering efficiency by 10% and HR operations efficiency by 15%.
- Supported over 50 staff with application setup, troubleshooting and process automation.
- Developed 5+ customized Microsoft Power Apps and documented process maps using Microsoft Visio to optimize plant operations.
- Managed Bizom SaaS DMS app setup for 10+ distributors including backend configuration, onboarding and support.

IgniteXL / Extern – Remote (USA)   Jun 2023 – Jul 2023
Startup Research & Analysis

- Evaluated Radswan, an early-stage beauty & wellness tech startup; assessed product-market fit, competitive landscape and investment readiness.
- Produced an investment summary and recommendations used by senior analysts.

LEADERSHIP EXPERIENCE:

Kids and Math – Accra, Ghana   Nov 2014 – Jul 2015
Co-Founder

- Co-created an educational program to teach mathematical concepts through hands-on activities to primary school children.

Nsesa Foundation – Accra, Ghana   Aug 2017
Monitoring & Evaluation Coordinator

- Supported data collection and program evaluation to inform reporting and program improvements.

EDUCATION:

ExploreAI Academy - Remote

Data Science & Data Engineering Program   2026

African Leadership Experience (ALX) - Accra

Backend Web Pro-Development & Frontend Web Pro-Development   2025

- Backend: Python, Django, SQL, APIs, Docker, Kubernetes, CI/CD, AWS fundamentals.
- Frontend: React, Tailwind CSS, UI/UX, Git, API integration.

Stanford University School of Medicine - Remote

Fundamentals of Data Science in Precision Medicine & Cloud Computing 2025

Generation - Accra

Platform Engineering & Web Development (Valedictorian) 2024

IPMC Training – Accra

Software Engineering (Dip) 2022

University of Ghana – Accra

Bachelor's Degree — Insurance & Economics 2020

SKILLS

- Languages & Frameworks: Python, JavaScript (React), SQL, Django, Node.js
- Data & Analytics: Power BI, Tableau, Pandas, NumPy, scikit-learn, ETL pipelines
- Cloud & DevOps: AWS (EC2, S3, RDS, IAM), Docker, GitHub Actions, CI/CD
- Tools & Platforms: Salesforce, Firebase, Power Apps, Bizom, Visio, Git
- Soft Skills: Product-thinking, stakeholder communication, teamwork, problem-solving
- Languages: English (Professional), Twi (Native)

PROJECTS (https://www.datascienceportfol.io/RI)

- AI-enabled Agricultural Insights (DataHaul): Predictive analytics, USSD/SMS integration, marketplace, community features for farmer pilots.
- NewsFlow: Personalized news catalogue reader – PWA built with React and REST APIs.
- Everything Grocery: Responsive e-commerce platform using React and Tailwind CSS.

CERTIFICATIONS

- AWS Certified Cloud Practitioner (Aug 2025)
- Aspire Leaders Program (Oct 2025)
- Business Intelligence & Data Analyst (CFI)
- FMVA — Financial Modeling & Valuation Analyst (CFI)
- Data Science in Precision Medicine (Stanford)
- Data Science (ExploreAI Academy)

REFERENCE:

Available upon request.