

Issah Muniru *Senior FullStack Engineer*

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📍 Accra, Ghana

🌐 <https://github.com/MuniruIssah>

Profile

Senior Fullstack Software Engineer with 7 years building healthcare and banking products in TypeScript, JavaScript and C#. Designs and ships end-to-end — from a bank's self-onboarding platform to a HIPAA-compliant clinical trial portal to a production RAG pipeline that automates trial eligibility screening. Most recently a Senior Software Engineer at PenseHealth.

Professional Experience

04/2025 – 05/2026

New York, USA -

Remote

Senior Software Engineer

PenseHealth 🌐

- Owned PenseHealth Admin, the core product used by partner facilities and internal administrators to run clinical trial enrollment end to end — Angular frontend against Node.js services on AWS EC2.
- Built the RAG eligibility pipeline that converts each facility's patient records into a per-facility knowledge base on AWS Knowledge Base, using Claude Sonnet to summarise eligibility against trial criteria and automatically screen out patients ineligible to enroll or continue — replacing manual chart-by-chart review.
- Engineered bulk patient onboarding on S3 presigned URLs with Dexie/IndexedDB offline persistence, supporting hundreds of patient records per batch without failed or restarted transfers; owned performance of the trial matching pipeline.
- Developed and managed My PenseHealth, the participant dashboard (Angular, Node.js, S3 + CloudFront) for enrollment, progress tracking, health records, and re-matching into alternative trials.

08/2023 – 01/2025

New York, USA -

Remote

Software Engineering Consultant

ViuHealth

- Consolidated multiple Angular projects into a single workspace.
- Built and managed reusable component and icon libraries for use across the workspace
- Set up path-filtered CI/CD for the Angular workspace — each project builds and deploys independently on pushes to its own folder, avoiding full-workspace rebuilds on every commit.
- Collaborated on an artificial intelligence algorithm for clinical trial matching, aimed at expediting patient enrolment into trials.
- Participated in a project focused on streamlining the entire clinical trial process, from patient enrolment to site referral, and communication regarding patient progress. (using Angular JS)

03/2022 – present

Accra, Ghana

Applications Developer

GTBank Ghana

- Used ASP.NET, JavaScript and SQL Server to develop a USSD Ticket Purchasing application.
- Executed E-levy functionality and feature development on the MyGhPay payment platform.
- Leveraged on React JS, MSSQL, ASP.NET to design and implement an events ecosystem, which includes a client facing web application, an embeddable event payment widget and an administrative portal for event management.
- Collaborated with stakeholders regarding project capabilities and limitations to deliver optimal functionality.

08/2021 – 02/2022

Remote

Full Stack Developer

Origo Software

- Contributed to maintaining the Origo Health software, which aimed at promoting access to reliable healthcare services (using React JS and Node JS)
- Built and oversaw data collection and manipulation systems.
- Updated management by authoring detailed reports in outlining performance milestones, product specifications and training materials.

Education

09/2015 – 05/2019

Legon, Ghana

BSc. Computer Science

University of Ghana

Completed the University of Ghana with an FGPA of 3.71/4.0

Skills

Programming Languages

JavaScript, TypeScript, CSS, C#, SQL, NoSQL, Python

Other Developer Tools

Git, Github, Cloudflare, Digital Ocean, AWS, Vercel,
GitLab, Firebase, Supabase, Strapi

Frameworks

React JS, Next JS, React Native, Node JS, NestJS,
Hono, Cloudflare Workers, ASP.NET Core, ASP.NET
Framework, SwiftUI, Jetpack Compose