Amman Abua

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EXPERIENCE

***ScholarsKit AI** | Founder / Software Engineer*
2025 - Present

- Built a **serverless GenAI document intelligence platform** using **AWS Lambda (Node.js), API Gateway, S3, DynamoDB, SNS, and Textract** enabling users to chat with and study from uploaded documents.
- Implemented a **retrieval-augmented generation (RAG) pipeline** with document chunking, vector embeddings, and similarity scoring using **Amazon Bedrock (Titan Embeddings, Claude LLM)**.
- Designed resilient, **cost-controlled cloud workflows** with asynchronous processing, retries, and partial-failure handling to support large documents and multi-turn conversations.

***Sparetime Digital Ltd. | Software Engineer** – (https://www.sparetime.digital)*
Remote (Manchester, United Kingdom) | 05/2022 - 10/2023

- Built **REST APIs** utilizing **Spring Boot,** and **Node.js** supporting **350K+** secure transactions/year.
- Migrated monolithic systems to **AWS** utilizing **microservices** architecture, cutting infrastructure costs by 20% and improving real-time service monitoring and analytics.
- Automated **CI/CD** pipelines with **GitHub Actions** and **AWS** accelerating release cycles.
- Developed an event-driven system using **AWS SNS** and **SQS**, enhancing reliability.

RECENT PROJECTS & CONTRIBUTIONS

- **Purpose Connect** (2025) – Engineered reusable **React** (**TypeScript**) components and **API** integrations for onboarding and user dashboards; enhanced **UX** consistency and scalability on **Firebase**. Designed and integrated generative AI workflows using Google Gemini for interview preparation via automated mock interviews.
- **Greenbaq AI** (2025) – Built onboarding flow and implemented **Next.js + TypeScript** dashboard components and **Stripe API** integrations for financing workflows accelerating **MVP** delivery within optimized component architecture.

EDUCATION

- **University of the Potomac** – M.S., Information Technology *(in-view).*
- **Nile University of Nigeria** – Post-Graduate Diploma, Computer Science.
- **Afe Babalola University** – B.Eng (Hons), Electrical/Electronics Engineering.

CORE SKILLS

Node.js, Java, Spring Boot, React, Next.js, TypeScript, AWS, Firebase, Docker, CI/CD, MongoDB, PostgreSQL, Microservices, Oauth2, JWT, Agile, Git, AI.