HABIBA ADAM SALISU

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Summary

Backend Developer & Aspiring Cloud Engineer with hands-on experience building secure AWS architectures and scalable backend systems. Skilled in Python, Node.js, and SQL/NoSQL databases. Delivered projects that improved API performance by **30%**,and deployed resilient cloud infrastructure with Terraform and AWS

Technical Skills

Programming Languages: Python, Node.js, TypeScript
Cloud & DevOps: AWS (VPC, EC2, RDS, S3, IAM, ALB, Auto Scaling, CloudWatch), Terraform (HCL), Docker, Nginx, GitHub Actions (CI/CD)
Frameworks & Tools: NestJS, Express.js, Flask, FastAPI, React.js, JWT, Ionic/React, Cloudinary
Databases: PostgreSQL, MySQL, MongoDB
Testing & Security: Jest, BDD, Helmet, input sanitization
Systems & Version Control: Linux, Git (GitHub/GitLab)

Work Experience

Faithful-Match, Backend Developer, *Contract Role | Feb 2025 – May 2025*

- Engineered backend services with NestJS and MongoDB, benchmarked to scale for 100+ user profiles while ensuring data security and low-latency interactions.
- Architected and implemented a **matchmaking algorithm** (weighted scoring + Jaccard similarity) that increased match accuracy by **15% in beta tests**.
- Optimized database queries, reducing response times from **~1.2s to 400ms**, improving overall user experience.

PhishFortress, Full-Stack Developer, *Freelance Role | Mar 2025 – Jun 2025*

- Developed a phishing simulation platform (FastAPI + React + Auth0) and validated against 10+ test participants, demonstrating a 75% increase in training completion rates during trials.

- Integrated YouTube API to deliver **auto-assigned training videos**, tracking completion without backend storage.
- Engineered feedback loops that tailored training recommendations based on user phishing responses, reducing repeat click-through rates by **20%**.

TechX360, Backend Developer (E-commerce Mobile App(A-Shopper)
Contract Role | Jul 2024 – Aug 2024

- Built core backend services (auth, payments, orders) for an e-commerce app handling 100+ product listings, using NestJS.
- Secured APIs with role-based access control, reducing unauthorized access attempts by 90%.
- Enhanced database queries and caching, cutting average checkout time by 40%.

HACSA, Backend Instructor
Part-Time Role | Aug 2024 – Present

- Delivered and designed Python, Flask, Linux, and database curriculum to **30+ students** in hands-on backend development sessions.
- Mentored students through hands-on backend projects ,REST API development and fundamentals of programming, with 80% completing projects integrating all lessons and modules.

OptimaData, Full-Stack Engineer Intern,
Jun 2024 -Jul 2024

- Built backend APIs with Express.js, applying Helmet and sanitization for security.
- Implemented Morgan logging and Express Mongo Sanitize to strengthen data protection.
- Contributed to frontend development using React + Tailwind, aligned with Figma designs.

Academic Projects & Personal Projects

Serverless Translation Pipeline on AWS | *Terraform, AWS Lambda, S3, AWS Translate, Python (Boto3)*

- Designed a serverless NLP pipeline for automated text translation with AWS Translate.
- Automated processing via S3 event triggers + Lambda, storing results in dedicated buckets.
- Secured infrastructure with IAM custom roles/policies and optimized S3 lifecycle policies.
- Provisioned reproducible deployments using Terraform, staying within AWS Free Tier limits.

Secure Auto-Scaling Multi-Tier VPC Architecture | *AWS, EC2, RDS, ALB, CloudWatch, IAM*

- Provisioned a multi-AZ VPC with public/private subnets for secure, high-availability infrastructure.
- Configured EC2 Auto Scaling Groups with ALB to ensure high availability and balanced workload distribution.
- Deployed Amazon RDS in a private subnet with restricted access, ensuring security & reliability.
- Implemented CloudWatch alarms & IAM policies for monitoring & controlled access.

Resume Rocket | *Node-Js, Express-Js, React-Js, MongoDB*

- Developed an AI-powered CV builder with secure, scalable backend APIs.
- Designed interactive resume questionnaire flow to produce a cv based on answers.

Celestial Palate | *Python, MySQL, Flask, HTML, CSS, Bootstrap*

- Created a backend reservation system for a luxury dining experience.
- Built RESTful APIs and managed secure database interactions.

Education

ALX, Holberton School of Coding,   Mar 2022 - Jun 2024
Software Engineering
Relevant Coursework: System Engineering Devops, Data Structures and Algorithms in C, OOP in Python, DataBase Systems, Networking.

Certifications

- **AWS Certified Solutions Architect – Associate** | Sep 2025
  Credential ID: 418b15a6173348e7aaede9b5a6b2314a | [Verify](#)
- **ALX Software Engineering Programme – Backend Development** | Jun 2024 | [Verify](#)
- **SheCodes (Basics, Plus, Responsive, React)** | Oct 2023 – Feb 2024