Mohamed Ayoub Eleuch

Software & Cloud Engineer | AWS Certified Solutions Architect - Associate

Bachelor of Science in Computer Science | Expected graduation: June 2027

mmdayoub3@gmail.com | mohamedayoubeleuch.com | github.com/AyoubElleuch | LinkedIn | LeetCode

PROFESSIONAL EXPERIENCE

Software Engineer Intern
Sep 2025 - Feb 2026

GBI Logistics / Remote / USA

- Built **Next.js and SQL** features for e-commerce product customization and CMS catalog management.
- Automated builds and releases with **GitHub Actions and Docker**; deployed the application to a VPS.

Part-Time Front-End Developer
Aug 2023 - May 2024

Innopolis University, Advanced Engineering School

- Built **Vue.js** dashboards with backend integration for ML researchers to run inference and inspect live results.

Contract Software Engineer
2024 - Present

Independent | Client software delivery

- Delivered **Barnicoat Branding CRM** with **Next.js, TypeScript, PostgreSQL and Supabase** for lead tracking, team assignments and reporting; continued delivering paid updates after handover.
- Enforced lead ownership and **role-based access control** across **10 PostgreSQL tables** and **11 row-level security policies**; verified workflows with **26 passing Vitest tests**.
- Built renewal tracking and **SQL reporting functions** for revenue, costs and configurable sales and renewal commissions.

SELECTED PROJECTS

AWS Task Manager
GitHub source

Serverless cloud project | React, TypeScript, Node.js, AWS, Terraform

- Built a serverless REST API with **API Gateway, Lambda and DynamoDB**; secured requests with **Cognito JWT authentication** and per-user ownership checks.
- Provisioned infrastructure with **Terraform** and deployed the React frontend through **CloudFront and private S3**.
- Automated CI/CD with **GitHub Actions** (**42 passing Vitest tests**) and authenticated to AWS through **OIDC** using temporary credentials instead of long-lived keys.

NovaStage
GitHub source

Collaborative architecture canvas | Next.js, TypeScript, PostgreSQL

- Built a **real-time collaborative canvas** for engineering roadmaps and AWS architecture diagrams, with **PostgreSQL row-level security** for access control and **Redis editing leases** for concurrent edits.
- Built AWS topology layout and obstacle-aware routing; the implementation was selected for the **XERJ Corpus Hub** open-source code index.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, SQL, C++

Web & data: React, Next.js, Vue.js, Node.js, REST APIs, PostgreSQL, Supabase

Cloud & tools: AWS, Terraform, Docker, GitHub Actions, CI/CD, Git, Vitest

AWS CERTIFICATIONS

AWS Certified Solutions Architect - Associate
Issued Sep 2026

AWS Certified AI Practitioner | AWS Certified Cloud Practitioner

EDUCATION

Innopolis University
2022 - 2024

Computer Science: four semesters completed on a fully funded merit scholarship.

University of the People
Currently enrolled

Bachelor of Science in Computer Science - Expected graduation: June 2027
Continuing bachelor's studies from Innopolis University.

Highlights: 2022 Tunisian Olympiad in Informatics national finalist. Participated in multiple hackathons, including GoOpenSource at Innopolis University.