

Ayoub Touati

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SUMMARY

Full-stack engineer specializing in end-to-end web application development with expertise in Angular, Next.js and NestJS. Proven ability to architect scalable back-end services and intuitive front-end interfaces. Passionate about implementing robust solutions through clean code principles and modern development practices.

Education

1337 - 42 Network - Mohammed VI Polytechnic University Dec 2021 – May 2024

- Peer-to-peer learning focused on project-based curriculum
- Specialized in software engineering and system administration

Experience

Full Stack Developer - Arias Tech Solutions June 2024 – August 2026

- Developed a no-code data visualization platform enabling business users to create interactive dashboards with drag-and-drop components, supporting real-time data integration from REST APIs, WebSockets, and SQL/NoSQL databases through configurable connectors
- Built a marine ecosystem monitoring system processing high-volume sensor data streams with dynamic map visualizations using Mapbox GL JS, implementing automated notification systems with configurable alert thresholds and multi-channel delivery (email/SMS)
- Engineered an environmental tracking platform featuring predictive analytics integration, geospatial visualization with animated weather layers, and automated PDF report generation
- Created modular component libraries including reusable Angular UI components (PrimeNG, Tailwind CSS) and standardized NestJS framework integrations in a monorepo setup
- Implemented secure authentication flows using Keycloak, configuring role-based access control (RBAC) and single sign-on (SSO) capabilities across all platforms
- Developed data aggregation services integrating multiple external APIs into unified formats for cross-platform consumption
- Conducted regular code reviews and established coding standards to ensure high-quality, maintainable codebase

Projects

FT_Transcendence - 1337 project

- Developed dynamic website using NestJS backend and React frontend
- Implemented chat-based ping-pong game and social connection features
- Added security controls for user blocking and safe interactions

Inception-of-Things, 1337 project

- Configured Kubernetes cluster using K3s/K3d with Vagrant
- Implemented host-based routing for multiple applications
- Set up Argo CD for continuous deployment from GitHub

Technical Skills

Frontend: Angular, NgRx, Next.js, TypeScript, HTML/CSS, Tailwind, Mapbox, AmCharts, PrimeNG

Backend: NestJS, Spring Boot, Java, C/C++, Python, Node.js, PostgreSQL, MySQL, MongoDB, Firebase, Keycloak

DevOps: Docker, Kubernetes (K3s/K3d), Vagrant, Git, Bash

Tools: Jira, GitLab, Asana

Languages

English: Professional **Arabic:** Native speaker