

Ayoub Guismi

Full Stack Developer – Backend-Focused

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Professional Summary

Full Stack Developer with 4 years of experience, with a strong backend focus on Node.js, NestJS, and TypeScript. I have contributed to the design of REST APIs and modular and microservices architectures, particularly on projects at UM6P. I currently work on a construction procurement platform using PostgreSQL and Prisma.

Technical Skills

Languages: JavaScript / TypeScript, Python

Frontend: React, Next.js, HTML/CSS3, Bootstrap, Tailwind CSS, shadcn/ui, styled-components, React Query, Redux, Redux Toolkit

Backend: Node.js, Express, NestJS, Flask, REST APIs, Redis, RabbitMQ, Object-Oriented Programming (OOP), Modular and Microservices Architectures

Databases & ORM: PostgreSQL, MySQL, MongoDB, Prisma

Testing & Code Quality: Jest, Mocha, Unit Testing, E2E Testing, SonarQube

Developer Tools: Git, GitHub, GitLab, Bitbucket, Jira, Trello, ClickUp, Vercel

Systems & DevOps: Linux, Bash, Docker, CI/CD, GitHub Actions, AWS S3

Professional Experience

Full Stack Developer

Mar. 2026 – Present

marchesprives.ma - Full-time

Marrakech, Morocco

- Developed construction procurement features using NestJS, PostgreSQL, and Prisma, covering data modeling, APIs, and user interfaces.
- Developed AI solutions to automate the processing of construction project documents, including Bill of Materials (BOM) extraction and project analysis.
- Integrated AWS S3, AI APIs, and webhooks into platform features.

Full Stack Developer

Feb. 2022 – Aug. 2025

UM6P - Mohammed VI Polytechnic University - Full-time

Ben Guerir, Morocco

- Contributed to the design of modular backend and microservices architectures for the NARSA and Massarates Rhamna projects.
- Conducted code reviews and provided technical guidance to backend developers across multiple projects.
- Designed and developed REST APIs with NestJS to support core application business features.
- Handled urgent application updates and critical database upgrades.

Projects

NARSA Smart Drive Test | *NestJS, MongoDB, RabbitMQ, Microservices, BitBucket, Jira, SonarQube*

Backend Developer – UM6P - Mohammed VI Polytechnic University

- Designed the microservices-based backend architecture using NestJS and MongoDB for the NARSA back-office.
- Led backend development, conducted code reviews, and provided technical oversight of the team's tasks.

Massarates Rhamna | *NestJS, MongoDB, Microservices, BitBucket, Jira, SonarQube*

Backend Developer – UM6P - Mohammed VI Polytechnic University

- Contributed to the design of the backend architecture for the Massarates Rhamna platform using NestJS and MongoDB.
- Developed modules for managing test templates as configurable forms, as well as assessments, candidate scores, and absences.

T3 – Baccalaureate Digitalization | *Python, Flask, XML, REST API, SonarQube*

Backend Developer – UM6P - Mohammed VI Polytechnic University

- Developed Python and Flask processing workflows to clean, enrich, and validate data used in the baccalaureate digitalization project.

Education

1337 | 42 Network

Level 14 certification

Khouribga, Morocco

2019 – 2022

Faculty of Science and Technology

Bachelor's degree in application design and development engineering.

Settat, Morocco

2017 – 2019

Certifications

- Software Engineer – *HackerRank*
- Frontend Developer (React) – *HackerRank*
- NestJS Fundamentals – *Official NestJS Courses*

Languages

- English – C1
- French – B1 (intermediate)
- Arabic – Native