BARHOINE AYOUB

Seeking 6-Month Final-Year Internship (PFE) – Software Engineer (Java / Spring Boot / React)

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Ayoub Barhoine BarhoineAYOUB

PROFILE

3rd-year Computer Engineering student at FST Settat, looking for a 6-month final-year internship (PFE) in software engineering. I completed three development internships and built full web and mobile applications with Spring Boot, React and Flutter. I apply Clean Architecture and SOLID and ensure code quality in every project through code reviews, input validation and API testing, with a focus on API security and deployment automation.

EDUCATION

State Engineering Degree in Computer Engineering (3rd year) Aug 2024 – Jun 2027
Faculty of Science and Technology (FST), Settat

Preparatory Classes for Engineering Schools (CPGE) Sept 2022 – Jun 2024
Physics and Engineering Sciences track (PCSI-PSI)

Baccalaureate, Mathematical Sciences A Sept 2019 – Jul 2022
Bab Sahara High School, Guelmim

PROFESSIONAL EXPERIENCE

ADNC Group – *Mobile UI/UX & Python Developer Intern* Aug – Sept 2026

- Interactive mockups and design system in Figma for a mobile services application.
- Python data-extraction scripts to optimize the customer promotion system.
- **Technologies:** Python, Figma, UI/UX Design, Scripting.

Maamora – *Full-Stack Developer & AI Automation Intern* Jun – Jul 2026

- Marketing content platform built in a pair, cutting the time to create visuals and captions by 90%.
- Captions generated in French, English, Arabic and Moroccan Darija through the Gemini API and prompt engineering.
- Canvas rendering engine producing branded visuals that can be exported in batches.
- **Technologies:** React, Next.js, TypeScript, LLM API, Express.js, HTML5 Canvas, Supabase.

Fondation Intellcap – *Full-Stack Developer Intern* Jul – Sept 2025

- Foundation web platform bringing together the management of donations, events and activity registrations.
- Admin panel protected with JWT and Bcrypt, with user management and access control.
- **Technologies:** TypeScript, Express.js, React 18, Drizzle ORM, SQLite3, JWT.

PERSONAL PROJECTS

TripNEST – Cross-Platform Travel Platform tripnest.com

- Travel booking and management platform with a Spring Boot API shared by a React web client and a Flutter mobile app, deployed with automated deployments on Vercel.
- Backend structured around Clean Architecture and SOLID principles, with access secured through Spring Security and API endpoints tested with Postman.
- **Technologies:** Spring Boot, Spring Security, JPA/Hibernate, PostgreSQL, Postman (Back-end) – React (Web) – Flutter, Dart (Mobile).

AI Fitness & Nutrition Mobile App (Gym)

- Flutter app for fitness and diet coaching, with a meal scanner based on image recognition.
- Microservices architecture with a Spring Boot API and a Python AI service, following Clean Architecture and SOLID, with API endpoints tested with Postman.
- **Technologies:** Spring Boot, Python, REST API, PostgreSQL, Postman (Back-end) – Flutter, Dart (Mobile).

Municipal Library Management System

- Web application for document management: search, inventory and loan tracking, following Clean Architecture and SOLID.
- **Technologies:** Spring Boot, JPA/Hibernate, PostgreSQL (Back-end) – Thymeleaf, TailwindCSS (Front-end).

CERTIFICATIONS & SKILLS

* **Certifications:** Oracle Java SE 17 – Meta Front-End – IBM Flutter & Dart – AWS GenAI Foundations.
* **Back-End & Mobile:** Java (Spring Boot, Spring Security, Hibernate), Python, C – Flutter (Dart) – PowerShell.
* **Front-End & Web:** JavaScript, React, Thymeleaf, TailwindCSS, HTML/CSS.
* **Databases & Tools:** PostgreSQL, SQL Server, MySQL, SQLite3 – Git, GitHub, Docker, Postman, Figma.
* **Languages:** English (Fluent), French (Fluent), Arabic (Native).