

Ilias ER-RACHDI

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EDUCATION

2022 – 2026	Sup-Galilée Engineering School	Sorbonne Paris Nord University
2019 – 2022	Preparatory Classes MPSI–MP	CPGE Ibn Ghazi, Rabat
2018 – 2019	Mathematics Baccalaureate (Science Track)	Ryad Al Maarifa High School, Rabat

PROFESSIONAL EXPERIENCE

Software Engineer Apprentice	Since September 2024
<i>Société Générale – Paris, La Défense</i>	

- Design and execution of Spark jobs on a Hadoop platform to compute P&L metrics.
- Delivery of analytics through ActivePivot cubes and an Angular application.

Full Stack Developer	June 2024 – August 2024
<i>Universalisa – Rabat, Morocco</i>	

- Designed and developed an internal application for an academic support center, enabling attendance tracking and timetable visualization for students.

PROJECTS

AppCompagnie — Airline Company Management System (team project)
UML design and development of an integrated system to manage airline operations, based on a microservices architecture (Java Spring Boot, Angular, PostgreSQL).

GarageBot — Intelligent Voice Assistant for Car Garage Website
Development of a smart voice assistant enabling customers to naturally interact with the website for registrations and vehicle information. Focus on a smooth conversational experience (AI, NLP).

MetroShortPath — Shortest Path Calculator
Development of an application optimizing metro routes using Dijkstra's algorithm.

TECHNICAL SKILLS

Programming Languages	C/C++, Python, Java (Spring Boot)
Web Development	HTML5, CSS, JavaScript (Angular, React)
Databases	PostgreSQL, MySQL, Oracle
DevOps & Cloud	Docker, Kubernetes, Jenkins, Azure
Distributed Systems & Big Data	Apache Kafka, Spark, Hadoop
Observability & Monitoring	Prometheus, Grafana, Alerta, Elasticsearch
Project Management	Agile Methods, Jira, Gantt, Git

SOFT SKILLS

Autonomy, Analytical thinking, Algorithmic reasoning, Organization, Communication