Amine Ben Khalifa

Software Engineer — AI Enthusiast

Doha, Qatar

Email: amine.bky@yahoo.com — Mobile: +974-66979677

LinkedIn: linkedin.com/in/amine-ben-khalifa-685949275/

GitHub: github.com/amine-ben-k

Personal Portfolio Website: amine-ben-khalifa-portfolio.vercel.app

SKILLS

- **Backend Development:** Node.js, Express.js, Go, PostgreSQL, RESTful APIs, GraphQL, WebSockets, Microservices, Docker, Kubernetes, JWT

- **Frontend Development:** React.js, Next.js, JavaScript (ES6+), TypeScript, HTML, CSS, Tailwind CSS, UI/UX Optimization

- **AI & Data Science:** Python, Machine Learning, Deep Learning, OpenAI API, Langchain, LLMs, Pandas, NumPy, Scikit-learn

- **DevOps & Cloud:** CI/CD, Firebase, Vercel, Git, GitHub Actions

EXPERIENCE

- **QMIC** — **Doha, Qatar**
  Software Developer Intern — *Oct 2024 - Feb 2025*
  - **AI-Powered Clinical System**: Developed an AI-powered clinical system with LLMs, reducing **manual data entry time by 40%** through **voice recognition** for automated medical documentation.
  - **AI-Driven Diagnostics**: Built an AI tool that analyzes patient history and symptoms, providing **preliminary evaluations** that improved **diagnostic accuracy by 30%**.
  - **Image Summarization**: Implemented an AI-based image summarization tool that **reduced diagnostic processing time by 35%**, enhancing decision-making efficiency.

- **Ooredoo** — **Doha, Qatar**
  Backend Developer Intern — *July 2024 - Sep 2024*
  - **Backend API Development**: Designed and developed scalable backend APIs using **Go and Node.js**, optimizing data flow and improving system reliability.
  - **Microservices Architecture**: Engineered and deployed containerized microservices with **Docker and Kubernetes**, enhancing system scalability and maintainability.
  - **Performance Optimization**: Refactored and optimized API interactions, reducing response times and improving **service integration efficiency by 20%**.

- **Scramblebit** — **Doha, Qatar**
  Full-Stack Developer Intern — *July 2024 - Aug 2024*
  - **Pharmacy Sales Management System**: Developed a comprehensive Pharmacy Sales Management System, enhancing inventory tracking, sales processing, and reporting efficiency.
  - **Full-Stack Development**: Built the system using React.js for the frontend, while implementing a secure and scalable backend with Node.js and PostgreSQL.
  - **System Optimization**: Improved transaction speed and operational efficiency by optimizing database queries and implementing real-time data updates.

- **Freelancer** — **Doha, Qatar**
  Full-Stack Developer — *2023 - Present*
  - **Project Development**: Designed and developed 20+ full-stack projects, including an AI-powered clinic system, an intelligent farm management platform, and a scalable e-commerce solution
  - **Database Optimization**: Designed & optimized databases, improving query performance by 35%.
  - **Security Enhancements**: Integrated JWT authentication, enhancing system security.

Projects

- **AI-Powered Medical Platform**: Developed an AI-driven clinical system integrating LLMs for **voice recognition, AI-assisted diagnostics, and image summarization**, reducing manual data entry time by **40%** and improving diagnostic efficiency for doctors.
- **Labor Market AI Chatbot**: Designed and developed an **AI-powered chatbot** for labor market insights, integrating **automated data visualization** and **real-time analytics**. The system generates interactive graphs and delivers actionable insights, reducing manual data analysis time by **50%** and improving decision-making efficiency by **35%**. Implemented using **React.js, Node.js, PostgreSQL, and OpenAI GPT-3.5 turbo**.
- **E-Commerce Platform with AI Search**: Engineered a **scalable e-commerce platform** with **AI-powered intelligent search**, leveraging **LangChain and vector databases**, improving product discovery and search accuracy by **40%**.

Education

- **Bahçeşehir University** — **Istanbul, Turkey**
  Bachelor of Science in Software Engineering — *Oct 2020 - Nov 2024*

Languages

- **English:** Fluent (Professional Proficiency)

- **Arabic:** Native Speaker

- **French:** Intermediate (Conversational)