

Amine Ben Khalifa

Software Engineer — AI Enthusiast

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GitHub: github.com/amine-ben-k

Portfolio: aminebk.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%**.

More details available at: aminebk.vercel.app

EDUCATION

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| ● Bahçeşehir University | Istanbul, Turkey |
| ● <i>Bachelor of Science in Software Engineering</i> | <i>Oct 2020 - Nov 2024</i> |

LANGUAGES

- **English:** Fluent (Professional Proficiency)
- **Arabic:** Native Speaker
- **French:** Intermediate (Conversational)