Karam BELMOUJOUD

Computer Engineer || "MSc in Data Engineering for AI" Student

Actively looking for a work-study program (12 months – 01/09/2025 – « 3 weeks Company | 2 weeks School")

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🔗 LinkedIn: [Karam Belmoujoud](#)   GitHub: [KaramBelmoujoud](#)   🌐 Portfolio : [karambelmoujoud.me](#)

🚒 Driver Licence B

💼 Professional experience

Full Stack Developer – *Liebert Industries (Freelance, 11/2024 – 02/2025)*

- Deploy IoT dashboards on a scalable cloud infrastructure with observability solutions and optimize web performance via CDN, lazy loading and automated audits.
- Implemented CI/CD pipelines (GitHub Actions, Azure VMs, Docker) and rearchitected the infrastructure into containerized microservices to optimize workflows and resiliency by 35%.

Virtual Reality Developer – *Capgemini Engineering, Casablanca (Internship, 02/2024 – 08/2024)*

- Designed and developed a Virtual Reality (VR) application to allow engineers to create and manipulate 3D models.
- Implementation of interactive tools in C# and Unity to facilitate the manipulation of virtual objects and improve the accuracy of changes.
- Development of immersive interfaces that optimize the user experience in complex industrial simulations. Accelerated product development by optimizing the management of virtual environments and automating recurring processes.

Augmented Reality Developer – *DITEX, France (Internship, 07/2023 – 10/2023)*

- Development and implementation of an AR application for the maintenance of industrial machines, with the creation of interactive 3D animations on HoloLens 2 to facilitate hands-free access to critical procedures and improve technicians' understanding.
- Optimizes the validation of maintenance procedures by speeding up the execution of tasks and reducing human error thanks to the integration of immersive interfaces adapted to field needs.

🎓 Education

- **MSc Data Engineering for AI –** *Data ScienceTech Institute,* — *Biot,* **France (2024 – Present)**
- **Diplôme d'ingénieur en informatique – Génie Logiciel –** *École Polytechnique d'Agadir,* — *Agadir,* **Maroc (2019 – 2024)**

🛠️ Compétences Techniques

Stack Development: React, Next.js, Node.js, Spring Boot, Angular, MongoDB, SQL

DevOps & Cloud : Docker, AWS, CI/CD (GitHub Actions, Jenkins), Ansible

Languages : Python, JavaScript, C++, C#, Dart

🗂️ Certifications

- AWS Certified Solutions Architect – Associate (En cours)
- Spring MVC, Spring Boot & REST Controllers
- React 18 Course 2024 – Advanced Web Development
- Pre-Security Learning Path *(TryHackMe)*

🏆 Awards

- **1st Place –** *Hack&Pitch Hackathon*
- **4th place –** *FABLATHON*

🌐 Languages

- French: Professional (B2)
- English: Advanced (Certificat EF C2)
- Arabic: mother tongue

🤝 Associative Commitment

- **Webmaster – Rotaract District 9010 (06/2024 – 06/2025)**
- **Club President – Rotaract Agadir Atlantique**

🤝 Leisure

- Cinéma (Marvel – DC)
- Gaming (FPS – MMO)

💡 Projects

- Webmaster | Rotaract District 9010 (LIVE)
  - Developed a tailor-made CRM to optimize the data management of more than 100 clubs spread over three countries. Automated a ticketing system with real-time validation to make event management more reliable.
- Developer | FEECRA, Universiapolis (Done)
  - Developed a gesture recognition system in Python to improve the accessibility of presentations. Built-in AI models for gesture recognition and implemented a network communication protocol to optimize latency.