Nadim Bou Alwan

Software engineer and computer vision developer specializing in full-stack development and using computer vision techniques in applied scenarios. Holder of Brazilian Jiu-Jitsu blue belt.

Education

Carnegie Mellon University in Qatar
B.Sc. Computer Science | Class of '22
Minor in Psychology

Spoken Languages

- Arabic (Native)
- English (Fluent)
- Spanish (Basic)

Programming Languages

- Python
- JavaScript
- Java
- C
- Bash
- Powershell
- SQL

Frameworks and Libraries

- Pytorch
- Ultralytics
- Pandas
- NumPy
- Flask
- Django
- Streamlit
- React
- NodeJS
- Express
- PostgreSQL

Certifications

- Deep Learning Specialization (DeepLearning.AI)
- Microsoft Azure Fundamentals (AZ-900)
- Microsoft Azure Developer Associate (AZ-204, in progress)
- Intro to Agile and Scrum (IBM)
- Agile Foundations (LinkedIn Learning)

Work Experience

CTO, Sanad | May 2024 - January 2025
- Leading strategy of technical product development.
- Heading development of AI-powered chatbot using bespoke LLM.

Software Developer & Digital Architect, Iberdrola Middle East | June 2023 - September 2025
- Developed a real-time PPE violation detection system using the YOLO neural network in a computer vision project, going through the entire MLOps cycle.
- Extended the open-source tool Label Studio using full-stack development tools like React, Django, and SQLite to handle its large-scale, interconnected structure.
- Completed courses on cloud concepts, usage, and providers like AWS and Azure to ensure cloud competence.
- Created and designed software systems based on a microservice architecture with multiple services communicating over HTTP using a RESTful API and deployed it to the cloud.
- Created and configured cloud resources on Azure and deployed software systems using its various cloud services.
- Obtained multiple certifications from DeepLearning.AI on Deep Learning theory, method, and practice.
- Created, maintained, and set up servers on Azure for various usage scenarios, such as product demos and production environments.
- Led the team in development strategy, created and assigned Sprint tasks and user stories, held interviews for new team members, and trained newcomers.

Junior Software Developer, QRTD | January - April 2023
- Developed various web applications.
- Used Flask and Jinja for web development.
- Created presentations for stakeholders on fundamental cybersecurity concepts.

Junior Software Engineer, Malvor | January 2021
- Worked with NodeJS and Express.
- Handled front- and back-end development.
- Created a bot to scrape websites with Puppeteer.

Other Projects

Scalable Web Service | Java
- Identified & alleviated bottlenecks in a distributed web service.
- Designed system with resource vs performance tradeoffs in mind.
- Conducted multidimensional optimization with multiple parameters.

Property Pricer | Python
- Scraped websites for initial data.
- Conducted exploratory data analysis.
- Modeled predictions with various regression algorithms
- Built a Query Answering Machine that predicts property rental prices in Doha.

Price Glasses | JavaScript
- Handled server-side by creating and maintaining it using the Express framework.
- Implemented web-scraping on headless browsers to create a price-checker on Shopping websites

nadinator@proton.me
linkedin.com/in/nadimba
github.com/nadinator
+974 5503 4421