

Abed Nahouli

Software & Cloud Engineer | AWS Certified | Python & Data Architecture Expert

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Lebanon

EXPERIENCE

Software Engineer

Terminalfour 08/2022 - Present Dublin, Ireland

- Utilized AWS services like S3, CloudFormation, Cognito, SES, and DDB
- Developed Azure integration points for SSO and third-party systems
- Worked with project teams supporting new client integrations
- Collaborated with the team to apply continuous improvement throughout the development lifecycle
- Provided good technical decisions that caters to product requirements
- Furthered product enhancements to improve customer experiences
- Contributed to an Agile team to deliver high-quality features and enhancements for a multi-tenant serverless application

Founder of Code Caesar

Code Caesar 10/2020 - Present Beirut, Lebanon

- Led development of scalable, data-driven systems.
- Built and integrated APIs to enable efficient data exchange.
- Managed database performance with MySQL and MongoDB, optimizing data storage and retrieval.
- Directed a multidisciplinary team, fostering collaboration and delivering projects on time with optimal code.

Software Engineer

Ring n Bring 10/2021 - 08/2022 Beirut, Lebanon

- Updated and maintained existing platforms
- Applied angular and ionic as frameworks for development
- Enhanced the NodeJS backend along with web sockets
- Leveraged Firebase SDK for diverse tasks
- Coordinated with customer support to address and resolve QA bugs
- Used Puppeteer for end-to-end testing

Product Design and Development

Bilani for Transportation 06/2021 - 10/2021 Beirut, Lebanon

- Expanded the design process of full front-end mobile and web pages
- Executed designs using various technologies ex. Flutter, PHP, JS
- Linked app to the backend using various REST APIs
- Used GitHub as the version control system

Software Engineer Intern

TrustArt 05/2021 - 07/2021 Beirut, Lebanon

- Improved an app using the modern Adobe XD software
- Optimized the design with Flutter for mobile
- Created and implemented various REST APIs using NodeJS
- Created a peer to peer video chat feature
- Used GitHub as the version control system
- Managed to add notifications
- Hosted the backend on a Heroku Server

Mobile Application Developer

VioletRings 10/2020 - 05/2021 Beirut, Lebanon

- Enhanced an app for a better user experience
- Converted the design into clean code
- Applied MVC architecture
- Connected the app to a backend server using various REST APIs
- Implemented chatting feature using Firebase firestore
- Handled notifications through the Firebase messaging service
- Used GitHub as the version control system

SUMMARY

Software and data engineer with 5+ years of experience building backends, data pipelines, and cloud services on AWS. Skilled in Python, JavaScript, SQL, and modern data architecture. Experienced with NLP, LangChain, MCP server design, and building LLM powered workflows. Delivered scalable systems at Code Caesar, product features at TerminalFour, and logistics tech at Ring N Bring. Completed a Master's in Big Data and Business Analytics. Open to full-time roles in data engineering and AI.

KEY ACHIEVEMENTS

-  Sustainability Datathon
Achieved 2nd place among 52 groups in the IE Sustainability Datathon, showcasing skills in both analytics and machine learning.
-  Masters' Capstone
decide4AI - Implemented an agentic LLM-based automation for business intelligence

LANGUAGES

Arabic Native ●●●●●

English Native ●●●●●

EDUCATION

Masters in Data Science & Business Analytics

IE Business School

- 02/2024 - 07/2025 Madrid, Spain
- Placed 2nd out of 52 in the 5th Edition of the IE Sustainability Datathon
 - accomplished 6th place out of 38 in the 6th Edition of the IE Sustainability Datathon

Bachelor of Science Computer Science

Rafik Hariri University

- 09/2018 - 07/2021 Lebanon
- Minored in Graphic Design
 - ABET accredited

CERTIFICATION

AWS Cloud practitioner

Amazon AWS

Foundations of Sustainability

IE university

PROJECTS

Code Caesar

📅 10/2020 📍 Beirut, Lebanon

code-caesar.com

Founded a freelance agency delivering custom software solutions.

- Delivered full-stack solutions for clients across different industries
- Led end-to-end development, from planning to deployment
- Specialized in Laravel, React, and Python-based systems

Freddie Finance

📅 12/2025 📍 Switzerland

freddiefinance.com

Built an information website for a finance institution.

- Modeled contact forms, Calendly for booking, and Contentful for blogs
- Focused on clear service presentation and lead capture

Tala Sammak Studio

📅 05/2024 📍 Riyadh, Saudi Arabia

Shopify fashion site: talasammakstudio.com

- Customized Shopify theme to match brand identity
- Optimized for mobile and smooth shopping experience
- Enabled easy content and product updates via Shopify's panel

Phoenix Health Club

📅 03/2024 📍 Saida, Lebanon

phoenix-healthclub.com

Developed a full-featured health club website using Laravel.

- Included sections for club info, events, and merchandise
- Integrated admin panel for easy content and product management
- Presented a responsive, branded user experience

Phare-IFL

📅 02/2023 📍 Beirut, Lebanon

phare-ifl.com (private)

Built a custom HR system for Institut Français du Liban.

- Included modules for reports, staff, overtime and leave tracking
- Built with Laravel, ensuring security and scalability
- Designed a user-friendly interface for admins and employees

Burhan AI

📅 04/2025 📍 Beirut, Lebanon

burhan.ai (POC)

Created an AI-powered analytics platform for smart business insights.

- Built to help users analyze data, track KPIs, and get AI-driven insights
- Users connect MySQL databases and interact with a smart assistant
- Includes SQL playground, industry-specific KPIs
- Focused on clarity, explainability, and long-term data intelligence
- Utilized LLMs through APIs and Langchain depending on the context and user intention
- Implemented an MCP server due to its better accuracy at integrating with other database services

Mix N Meet

📅 01/2025 📍 Beirut, Lebanon

web.mixnmeet.io

Developed an event management and ticketing platform from scratch.

- Built mixnmeet.io using Laravel (backend) and ReactJS (frontend)
- Enables organizers to post events, and manage tickets and attendees
- Planned a fun, community-focused interface with modern UX

SKILLS

Python	SQL	Data Visualization	
Linux	Figma	DevOps	Keras
Ansible	Spark	TensorFlow	
Terraform	BI platforms		
Neural Networks		FastAPI	Django
PyTorch	Kafka	API Design	Flask
JWT	Redis	Microservices	
Docker	Deep Learning	LLM	
GitHub Actions			

INTERESTS

-  Games
-  Books
-  Strategy