Omar Ashoor

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OBJECTIVE

I am a Junior Full stack software Engineer @ Enozom interested in Full Stack software development Opportunities and I am always eager for opportunities to learn new technologies and for opportunities to innovate.

EXPERIENCE

•Enozom *November 2024 - Present*
Full Stack Junior Software Engineer **On-Sight (Alexandria)**

- Full stack using ASP.NET, Angular.Js and MySql and handling new technologies if needed
- Dealing with QA team and dealing with international clients around the world
- Developing and fixing bugs of the companies products
- Supporting client teams in their projects

•Enozom *October 2024 - November 2024*
Software Engineering intern **On-Sight (Alexandria)**

- Full stack using ASP.NET, Angular.Js and MySql
- Making full web sites from scratch
- Applying best practices of solid principles, Clean-code and Design patterns

•Ejada LLC *August 2024 - October 2024*
Junior Software Engineer (Integration team) **Hybrid (Alexandria)**

- Making and designing Large scale integration layer with queuing systems for multiple front-ends, back-ends and micro services using IBM Ace
- Learning about banking systems and interacting with external teams/ clients
- Dealing with deployment technologies like Bit-bucket, Open-Shift and Jenkins

•Eventum IT Solutions *July 2023 - September 2023*
Software Development Intern **On-Sight (Alexandria)**

- Team scrum master
- Making industrial scale examination Website from scratch
- Using react for frontend (using react redux toolkit and material UI for styling), Maven Java-Spring and Hibernate for backend and an express Proxy Server
- Dockerising the project with multiple environments (MySQL,maven & node)
- Using agile methodology, Git version-control and dealing with testing team

•ANRPC (Alexandria national petroleum company) *July 2023*
Networks and Security Intern **On-Sight (Alexandria)**

- Attending sessions with the head of networks and security department
- Knowledge about used networks, firewalls and VM-wares and how they are operated
- Backup systems and how to defend system from attackers

•RMZ-tech *July 2022 - August 2022*
Software Development Intern **Hybrid (Alexandria)**

- Software development using laravel
- Making a university website with full front-end and back-end
- Using MySql database and writing migrations

•Ezz-Steel *July 2022*
Software Development Intern **On-Sight (Alexandria)**

- Attending basic web developement sessions
- Making a game using basic web tools(HTML, CSS and JavaScript)

TECHNICAL SKILLS

- **Programming Languages**: C, C++, C#, JavaScript, Python, Java, Go, Solidity, Assembly, Bash & Yaml

- **Frameworks**: Spring Boot, React JS, ASP.NET, Angilar.js, Vue.js, Laravel & Arduino

- **Fields of expertise**: Database, Web Development, Machine learning, Docker, Embedded, Security & Networks

GRADUATION PROJECT

•**Reviving Shredded Text: A Comprehensive Method for Document Reconstruction Using AI** *2023/2024*
Deep learning **Python**
  – Full Deep learning pipeline to restore shredded documents using state of the art deep learning techniques
  – Reconstructing document using asymmetric metric learning, Refining the reconstructed document, Reading the text in it using OCR, Spell check and fill the gaps to restore any missing text parts, CNN model to detect the font and regenerate paper with same font

PROJECTS

•**E-commerce Backend** *April 2024*
Self made **Spring Boot**
  – Layered architecture using Rest APIs, Hibernate & JPA Repositories, flyway, Spring security, enums and MySQL database
  – Docker container with two docker images the MySQL and the backend using Yaml file

•**Library System** *December 2023*
Software Engineering **Spring Boot**/ **Vue**
  – Layered architecture using Rest APIs, Hibernate & JPA Repositories, Vuetify for UI and MySQL database
  – DevOps (Three docker images one for frontend, one for backend and one for the database) all in one container

• **Rock Paper Scissors** *April 2024*
New Trends (Block Chain) **Solidity**
  – Winner gets a reward and making sure that both players complete the protocol to the end or get penalties

•**Padding Oracle Attack Simulation** *November 2023*
Computer and Network Security **Java**
  – Padding oracle attack simulation

•**Visual Question Answering** *June 2023*
Pattern Recognition **Python**
  – Using Pytorch library combining pretrained text encoding and Image encoding models from openAI (CLIP models) and making a model with input the concatenated encoding outputs
  – Used attention and fully connected layers (shallow network as already encoded) and validation data

•**Emotion Classification** *May 2023*
Pattern Recognition **Python**
  – Using TensorFlow library with no pre-trained models
  – Convolution neural networks with train and validation data

•**TCP using UDP** *April 2023*
Computer Networks **Python**
  – Implementing full TCP protocol using UDP protocol
  – Specyfying flags as (syn,ack,fin, ...etc) and timeout handling of multiple http requests (GET, POST)

•**Smart Home using Arduino** *January 2022*
Logic 2 **Arduino C**
  – Making full software and a mock-up house to mimic a real house
  – Applying the hardware on the mockup house
  – Working with multiple sensors (temprature, light, ultrasound,...etc) and motors
  – Bluetooth mobile app to control several functionalities

EDUCATION

•**Alexandria University** *2019 - 2024*
Bachelors Degree in Computer and Communication Engineering **3.6 GPA**
•**El Quds International School** *2016 - 2019*
High-school (IGCSE System) **97.2%**

VOLUNTEERING & CIVIL WORK

• **Beach cleanup with EU Jeel**: July-September 2023

• **Iftar bags warehouse with Alpha Apollo**: Ramadan 2022