

Muhammed Abdulkarem Senussi Sherbiny

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Date of Birth : May 12, 1988

Objective:

I look forward to a career in Web Development (JEE, Semantic Web), or in research where I can use not only my academic background to achieve my research goals but also to make original contributions to my field of interest.

Professional Experience

NS -- Utrecht, Netherlands
Full Stack Developer, Jan 2018 – Present

1. Reisplanner (<https://www.ns.nl/reisplanner>)

- Reisplanner is the main app at ns.nl to plan door to door journeys.
- I'm responsible for:
 - upgrading the Reisplanner from angularJS to Angular 2+ in addition to adding UX/UI enhancements.
 - Writing automation tests using (testcafe & applitools).
- Technologies:
 - Angular 8, HTML5, SCSS, RXjs, Testcafe, applitools, Jenkins.

2. Stationsinformatie (<https://www.ns.nl/stationsinformatie/>)

- Station Information is a helpful application to show specific information for each station, such as:
 - Departure times, Disruptions, Map of stations facilities.
- I'm Responsible for:
 - developing the application from scratch using Angular and consuming different backend services.
- Technologies:
 - Angular 8, HTML5, SCSS, RXjs, Testcafe, applitools, Jenkins, Ansible.

3. Ov-fiets (<https://www.ns.nl/deur-tot-deur/ov-fiets/uurlocaties/>)

- Ov-fiets is an application to help finding ov-fiets locations on the map with informative details.
- I'm Responsible for:
 - Developing the application from scratch using Angular.
 - Helping the team who is responsible for API that ov-fiets consumes in developing some backend features.

- Writing automation tests using (testcafe & applitools)
 - Technologies:
 - Angular 8, HTML5, SCSS, RXjs, Testcafe, applitools, Jenkins, Ansible
4. **AVT-BTM** (current departure times)
- It's an application used by "station service winkels" in stations hall to show actual departure times.
 - I'm Responsible for:
 - developing the application from scratch using Angular and consuming different backend services.
 - Writing automation tests using (testcafe & applitools)
 - Technologies:
 - Angular 8, HTML5, SCSS, RXjs, Testcafe, applitools, Jenkins, Ansible.

5. Backend services:

- As a team member I'm responsible for developing and maintaining backend services such as:
 - Reisinfor-api,
 - Station-information-api
 - Weather-api,price-api
 - locationservice.
- Technologies:
 - JAVA 8, Spring Framework, Springboot, OpenAPI, Jenkins.

6. DevOps:

- Using Jenkins Shared pipeline libraries for building and deploying both back-end and front-end applications.
- Azure api management as an API gateway for ROI team APIs for both external and internal usage.
- Moving to AWS cloud and cloudformation .
- Monitoring & reporting using (Atlasboard, Lighthouse, and Uptrends).

New10 powered by ABN AMRO -- Amstel, Netherlands **Java Developer, Aug 2017, Oct 2017**

it's a lead application in fintech and lending domain meant for automating lending processes and get a loan in 15 minutes. My mission was to replace the absence of 2 senior developers in the java backend team for 2 months to help cover for the drop in productivity due to (extended) holiday periods of two of our Java developers.

I was responsible for:

- Refactoring credit and risk calculations of yearly bank transactions and KEM Business Report.

- Developing new backend features such as (credit and risk calculation from user manual input, and validate and visualize a timeline for user's bank transactions).
- Writing Unit and Integration tests.
- Technologies: DDD, TDD, BDD, Event Sourcing, Spring framework, Cucumber, Mockito.

Open Web IT BV -- Utrecht, Netherlands
Full Stack Developer , June 2017 – Present

Virtual Reception

It's a projects consists of 4 applications:

- **Smart mirror:**
 - Angular application runs on a smart mirror that works as a virtual reception in a building where you can connect via audio or video call to contact persons in a company in that building.
 - Technologies: Angular Framework, WRTC.
- **Mirror admin portal:**
 - Web application that manages the administration and communications between smart mirror mobile devices users.
 - Technologies: Java 8, Spring boot, Websockets, MySql, Angular.
- **Mirror member portal:**
 - Web application that allows users of companies to manage the employees.
 - Technologies: Java 8, Spring boot, Angular.
- Mobile App:
 - App runs on Android and IOS to allow company users to communicate with the smart mirror users.

Eshta Holdings Corp. -- Alexandria, Egypt
Senior Java Developer , October 2015 - May 2017

I was Responsible for Developing Enterprise Applications using the latest technologies (Microservices architecture, Reactive Technologies, Event sourcing, CQRS, Spring framework, AngularJs).

I designed a Functional Reactive microservices architecture (event driven, event sourcing and CQRS) each service contains different stack of technologies. Starting from AngularJS for frontend development Spring framework 5 for(reactive web and STOMP over websocket)

Java 8 (functional programming), using Apache Kafka as a Distributed Streaming Platform and message broker. Finally different

DB technologies: NoSQL (MongoDB and Cassandra) and SQL (postgresql).

After I've designed the architecture, I implemented multiple prototypes of microservices using those mentioned technologies and passed all test phases and accepted by management to be used as the main development architecture.

- **EshtaPay** is payments platform, with a retail network of more than 12,000 points of sales offering cash payments through either unattended self-service kiosk terminals or mobile terminals.

Technologies: (Microservices architecture, Spring 5, Project reactor, Event sourcing, CQRS, Apache Kafka, PostgreSQL, Angular).

- **EshtaTaxi** is Application for peer-to-peer ridesharing service..
Technologies: (Microservices architecture, Spring 5, Project reactor, Event sourcing, CQRS, Apache Kafka, PostgreSQL, Angular).

ITQAN for Smart Solutions -- Alexandria, Egypt

Java Technical Consultant, August 2015 - October 2015

I was Responsible for Developing and Customizing Oracle Applications using (ADF, OAF, SOA, and Weblogic Server).

- **SUMED** is serving core business of Arab Petroleum Pipelines Company.

I was responsible for: Tuning and Enhancing application performance. Developing Reports using Jasper Reports.

Evosys -- Muscat, Sultanate of Oman

Java Technical Consultant, May 2014 - August 2015

I was Responsible for Developing and Customizing Oracle Applications using Oracle Fusion Middleware technologies (ADF, OAF, SOA, and Weblogic Server).

- **Asas** is serving core business of entire academic, financial and student services provided by the Ministry of Higher Education Oman to 500 Internal Ministry users in Oman and external users across 15 embassies of Oman globally.

I was responsible for gathering and analysis of business requirements, design DB, and developing a web application using Oracle ADF, Weblogic server.

Eshta Holdings Corp. -- Alexandria, Egypt

Java EE Developer, May 2012 - May 2014

Developing web applications using the SOA (Service-Oriented Architecture) , and Java Technology:

- **eshta.com** social portal offers a suite of productivity and leisure web applications:

- **Eshta.Greetings** (online greetings cards)
- **Eshta.Freelance** (freelancing marketplace)
- **Eshta.News** (popular news from all over the world)
- **Eshta.Search** (web search)

I was responsible for developing backend Web Services of Freelance web service using (Spring Framework, Hibernate, Maven, and PostgreSql).

I worked on developing frontend portal as well using (HTML5, CSS3, YUI3).

- **catcombo.com** was a real time web application, allows anyone to create groups working together more productive.

I was responsible for developing backend Webservices of using (Spring Framework, Hibernate, Maven, and PostgreSql).

Alexandria Training Center ATC -- Alexandria, Egypt

Web Programming Instructor, February 2013 – April 2013

Teaching Web 2.0 technologies :

- HTML / CSS
- JavaScript / JQuery
- PHP / MySql

New Horizons Computer Learning Centers-- Alexandria, Egypt

Web Programming Instructor, February 2012 - February 2013

Teaching Web 2.0 technologies :

- HTML / CSS
- JavaScript / JQuery
- PHP / MySql

Certifications

Linked Data Engineering

by Hasso Plattner Institute.

Certificate earned on November 2016

Hadoop Platform and Application Framework

by University of California, San Diego on Coursera. Certificate earned on November 21, 2015

Introduction to Big Data

by University of California, San Diego on Coursera. Certificate earned on October 2, 2015

Training:

| Training Name | Place | Duration | Grade |
|---|---|-----------------|--------------|
| Mysql | New Horizons | 16 H | |
| Java SE (SL-110, SL 275) | New Horizons | 80 H | A |
| Oracle SQL 11g | Arab Academy for science and technology | 54 H | A |
| Oracle Program unit (PL/SQL) | Arab Academy for science and technology | 18 H | A |
| Java Fundamental | Arab Academy for science and technology | 60 H | A- |
| Web Design(HTML ,Photoshop, Dream Weaver ,Flash) | ITC in Faculty of nursing | 45 H | A |
| Web Development (PHP , MYSQL ,JavaScript) | ITC in Faculty of nursing | 45 H | A |
| Access | Arab Academy for science and technology | 36 H | A |
| Excel | Arab Academy for science and technology | 48 H | A |

Education:

BSc. in Commerce – Computer and Information System (CIS) Major

Faculty of Commerce, Alexandria, Egypt

Batch May 2011

- **GPA : 75% (Good)**
- **Graduation Project: Excellent**
- **Major Courses:**
 - **System Analysis and Design.**
 - **Computer Programming (Java).**
 - **Database Management System .**
 - **Advanced Databases (Data Warehousing , Data Mining).**
 - **Management Information System.**
 - **Advanced Computer Programming (C#) .**
 - **Data Networks and Telecommunication.**
 - **E-Commerce.**
 - **Advanced Management Information System.**

Graduation Project:

Title: Arab lance

E-commerce Category: online job market (E-lancing) , Web enabled Application.

Supervisor: Dr. Mahmud Yusuf

Abstract: This is was a one-term, team-work project needed to fulfill the graduation requirements of my BSc. degree in CIS major. The project proposed an online business called that 3arablance.com.

The project involved:

- **Developing e-business plan includes:** business model, market research, e-marketing .
- **System Analysis & design:** DFD, ERD, Relational model.
- **Designing the database that supports e-business.**
- **Developing a website for the proposed e-business.**

Skills:

Computer Skills:

- **Programming languages:** Java, PHP.
- **Semantic Web:** RDF, RDFS, OWL, SPARQL.
- **JAVA Frameworks:** Oracle ADF12c, Apache Jena, Apache Mahout, Spring Framework, Hibernate, Maven.
- **Database Management Systems:** Oracle 11g, PostgreSQL, MySQL .
- **Web Development :** PHP ,JS ,Jquery, Angular , HTML ,CSS
- **PHP Framework:** CodeIgniter [MVC Pattern].
- **Development Tools:** Linux, Eclipse, Netbeans , Toad .

Languages:

- **English:** Working proficiency.
- **Dutch:** B1
- **Arabic:** Native

Volunteering Works:

- **Ensan project (ensan alex):** researches and follow-up team leader,
Lifemaker foundation / dr. Amr Khaled.