

# Curriculum vitae

## Personal data

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**Name:** Amr E.

### Technical Knowledge and Skills

Node.js, Javascript, React, CSS



With a Bachelor's degree in Computer Science, Amr knows what it takes to come up with solutions to complex problems and then solve them effectively. He has more than 5 years of experience.

Amr specialties include JavaScript, Node.js, Java, Spring MVC, and many others. He enjoys working on challenging and difficult tasks that require him to learn and investigate new fields of knowledge.

Amr is reliable and team-oriented.

## Education

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**September 2009 —  
June 2014**

**Egypt  
Bachelor of Engineering, Computer Software Engineering,  
Misr University for Science and Technology**

## Work experience

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**November 2019 -  
Present**

**Financial services portal, United Arab Emirates  
Senior Full Stack Engineer**

**Stack:**

- Developing technologies: ReactJS, React Native,

Nodejs, TypeScript, AWS Lambda, PostgreSQL.

- Maintaining technologies: Angular, Java, Nodejs, Typescript, various hosting (Scaleway, clever cloud, AWS, WP-Engine), Mailing services, Jenkins.

Responsibilities:

- Responsible for design and development of Banking and Financial Solutions;
- Handling requirements from the product team and reporting to product managers.

March 2017 -  
November 2019

**Video conferencing system, United Arab Emirates**  
Full Stack Engineer

Stack:

- Node.js,
- React,
- Java.

Responsibilities:

Responsible for the design and development of Industrial and Business Solutions.

Projects:

- Pluggable platform (NodeJS, ReactJS, JavaScript, docker, WebSocket). Framework to easy add backend and frontend plugin that depend on Socket.io;
- Alarm Management System (Java, NetLinx). Handle remote dry contact alarms with IoT devices on an offline map specific for banks.
- Video Wall Management System (Java, C#, FFmpeg, VOD). Control grid view of video wall using remote client software (cameras, webpages);
- License Control (Java). Control Barco CMS server licensing;
- Ticker for Video Wall (Java). Upgrade Siemens Ticker applied to Dubai police to be compatible with Barco Video Walls;
- Indexing File System (NodeJS, ReactJS). Managing artifacts of the company.

February 2016 -  
February 2017

**Electromechanical Engineering company, United Arab Emirates**

## AV Engineer

### Stack:

- AV systems,
- AMX.

### Responsibilities:

- Site Engineer;
- Handle Layout Drawings;
- Daily work report.

August 2014 -  
January 2016

## Freelance projects, Remote Software engineer

### Stack:

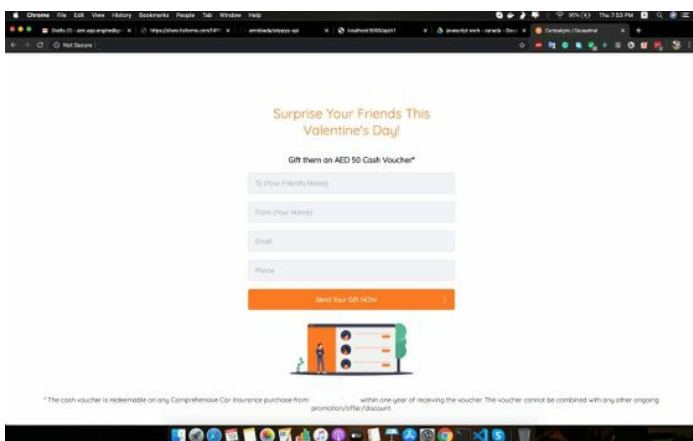
- Java.

### Responsibilities:

- Developed a Small ERP for Retails shops;
- Sales for phone shops;
- Handle the customer request change.

## Portfolio

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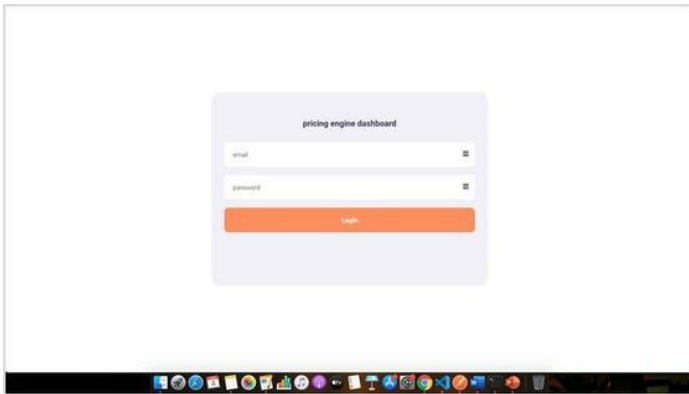


## Campaigns (Campaigns server)

I developed a Campaign server that can hold various campaigns such as Valentine, etc. It will send a specific template to the target email with voucher code.

Responsibilities: Full Development Cycle (Requirement gathering from Sales team, Design, Develop [backend - frontend]).

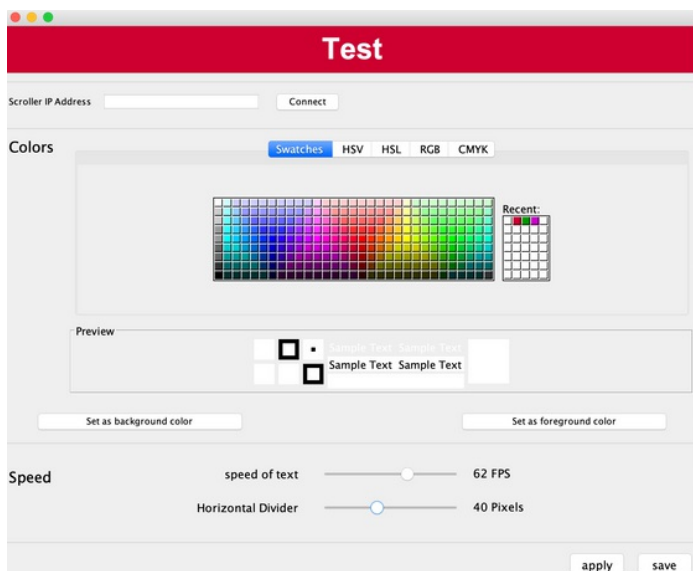
Technologies used:  
React, Node.js



## Pricing Engine (Car Insurance Pricing Generator server)

I revamped an Old pricing engine server that depends on Excel sheets to update the rules of each car insurance agency and required the IT team to modify it every time to a product team-friendly dashboard that they can add or remove a rule for each agency without IT involved. Responsibilities: Full Development Cycle (Requirement gathering from the Product team, Design, Develop [backend - frontend]).

Technologies used:  
React, Node.js

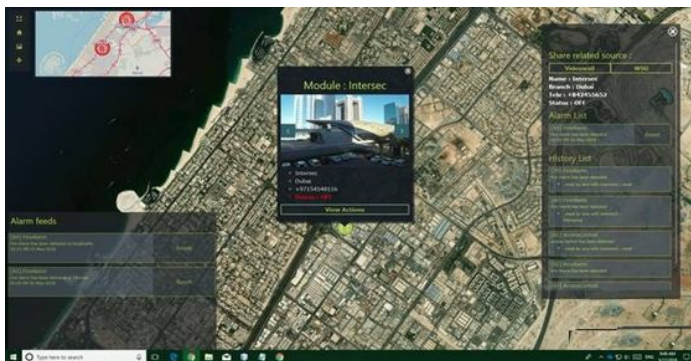
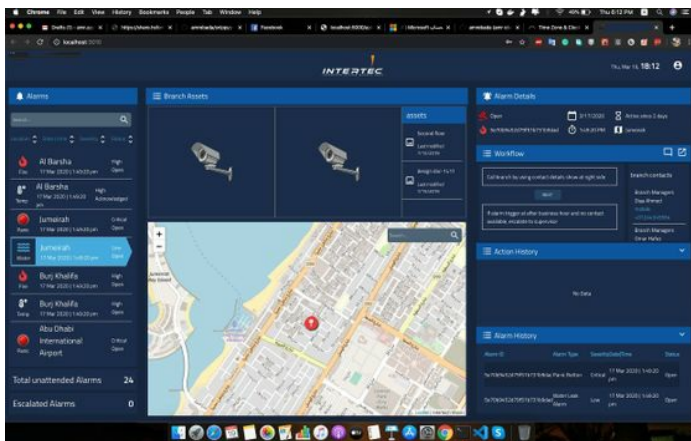


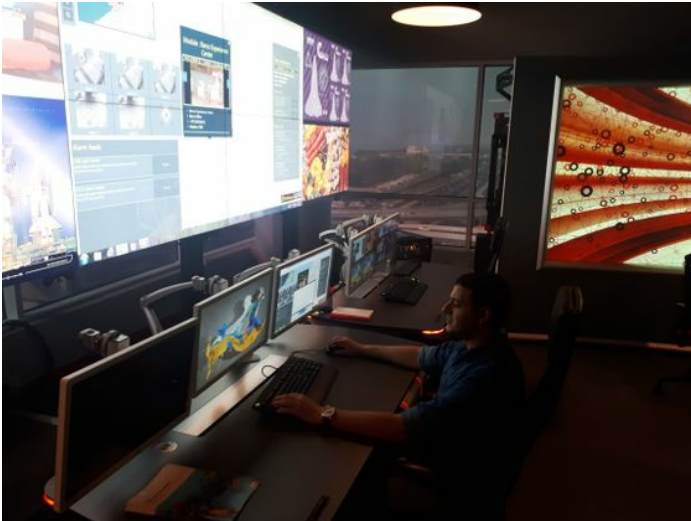
## Dubai police Ticker and Ticker Controller

I designed and developed software that collects news from Dubai police servers and views it in a ticker style on a large videowall and speed and colors can be controlled through the IP network via the Controller desktop app.

Technologies used:

Java





## Alarm Management System

March 2017 - November 2019

I Designed and developed V1, V2 and was involved with V3 and V4 as a Team lead.

I started with the company point of view about Alarm system to implement a system that collects all dry contact alarm with IoT devices (Dell gateway, AMX, UTC) to the headquarter instead of making control room in each branch, the first version has developed by Java and JPA with leaflet map second version developed with the same technologies but has more main features of integrations such as (ICetana - AI video surveillance, Luciad RIA - Map viewer). The third version is a framework developed with NodeJS that has a platform and configurator to develop driver and widget of third-party integrations. This Idea shines in my mind when the CEO has a lot of companies to integrate our system with, but unfortunately, it shut down from Management. The fourth version came with a new UI design.

Technologies used:

Node.js, React