Mohammad Hassan Mohammad Aboelnour

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Date of Birth: 24 November 1990   Military Service: Done (May 2013 – Jun 2014)

Employment:

Jun 2014 – present | Software Engineer @ eSpace   (espace.come.eg)

    (+) Junnah: (junnah.com)

The first Arabic health and fitness platform target the Arabic users, users can log their daily activities, set goals, getting a motivating badges, connect their favorite health application or health bands, enroll in health courses and compete with their friends.

- Technologies Used: Rails, Javascript, PostgreSQL.
- *Key contributions*:
  - ➔ Consuming Health applications API's (runkeeper, Fitbit flex, Jawbone UP, Moves) and visualize the activities in Junnah's dashboard.
  - ➔ Using ELK Stack, build a log processing/visualizing module to monitor performance and results of the API consumer module.

    (+) RealTime Dashboard:

An internal tool based on dashku (dashku.com) responsible for aggregating metrics from services API's (Google Analytics, Flurry, New Relic, Opsview, Github, Jira, …) and visualize the results in a dashboard.

- Technologies Used: Ruby, Node.js, RabbitMQ, Redis, MongoDB.
- *Key contributions*:
  - ➔ Replace Amazon SQS with RabbitMQ this lead to improve the overall performance, reduce cost and latency.
  - ➔ Using Redis, introduced a lot of caching techniques to improve the user experience and meet the services API's rate limits.

Sep 2012 – Apr 2013 | Software Engineer @ SweetyHeaven LLC   (sweetyheaven.com)

SweetyHeaven is a startup rewarding platform enables parents to reward their children on good behaviors.
- Technologies Used: Rails, Javascript
- *Key contributions*:
  - ➔ Implementing the School Rewards System and parents corner using the Rails Stack.
  - ➔ Contributing in features discussions and it's effects on the user experience and the product's business model.

Oct 2012 – Dec 2012 | Teaching Assistant @ Faculty of Engineering , Alexandria University

Role: teaching "Numerical Analysis" Course to 7th term Students.

July 2011 – Sep 2011 | Software Engineer Intern @ eSpace

Role: Implementing Deals Aggregator platform using the Rails full Stack.

Technical Skills:

- Programming Languages:
    Ruby, Java, Python, C/C++, R.

- Web Development:
    Frameworks: Rails, Sinatra.
    Front-end: HTML5, Javascript.
    Other: J2EE, RESTful API's.

- Databases:
     DBMS: MySQL, PostgreSQL, MongoDB.

- Other:
    Redis, Queuing Frameworks, Git, Unix-like Systems.

- Fields of Interests:
    Data Science, Scaling Timelines.

Activities:

- Ranked 2nd in "Big data and Smarter Egypt" Hackathon by IBM (2014)
- Attended Cairo Start-up Cup (2012)
- Attended Alex Start-up Weekend (2011)
- Participated in Alex Software Freedom Day as a Speaker (2009 and 2010)

Education:

- September 2007 – July 2012   Faculty of Engineering , Alexandria University
    B.Sc. Computer and Systems Engineering Department.
    Graduation Project: Code Clone Detector (detect Code clones/plagiarism using Transforming and comparison algorithms)