AHMAD ALHOUR

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SUMMARY

A citizen of the web and a full-time software engineer with a B.Sc. degree in Computer Science. Involved in full-stack software development (web & desktop). Geek at heart, math-hobbyist, polyglot, polymath and team-spirited.

WORK EXPERIENCE

Senior Software Engineer   **Jan 2016 - Present.**
TrustYou   **Munich, Germany.**

- Working on the TrustYou Web Products: Analytics, GSS, Stars and Metareview.
- Full-stack involvement, using mainly Python, Tornado and Web Stack (JavaScript, HTML, CSS).
- Developed an entire app for processing millions of reviews using Python and Apache Spark.
- **Tech-Stack:** Git, Bash, Python, Tornado, Twisted, Gulp, JS, HTML, CSS, jQuery, PostgreSQL, MongoDB.

Software Engineer in R&D   **Dec 2012 – Dec 2015.**
CCC (Consolidated Contractors Company)   **Athens, Greece.**

- Full-stack involvement, using mainly C#, .NET, and JavaScript.
- Developed a distributed telephony billing app for all CCC offices and employees.
- Developed a desktop app for simulating mail-phishing attacks.
- Developed two mobile phones using Android SDK and Titanium Studio (iOS).
- Designed and developed RESTful APIs for various in-house applications.
- Administration and automation of Linux machines using mainly Bash shell scripts.
- **Tech-Stack:** Git, Bash, C#, .NET, MS SQL Server, HTML, CSS, JavaScript, jQuery, Twitter Bootstrap.

Software Engineer   **Jun 2011 – Oct 2012.**
D1G (Arab Directory for Internet Sites)   **Amman, Jordan.**

- Developed interactive UI widgets on D1G.com for Ads clients.
- Developed an MVC app using RubyOnRails for publishing Ads on D1G.com in real-time.
- Developed public RESTful APIs via RubyOnRails to support consuming D1G.com content.
- **Tech-Stack:** Git, Ruby, Ruby On Rails, MySQL, HTML, CSS, JavaScript, jQuery.

Web Developer (Intern)   **May 2008 – Feb 2011.**
CommunitiesTech   **Amman, Jordan.**

- Worked on a part-time contract, balancing work and study.
- Web development of the Bangaia.com platform, using mainly PHP, and MySQL.
- Created a PHP library for developing RESTful Web-Services through the PRADO Framework.
- Integrated Rackspace Cloud Services with Bangaia.com assets management.
- **Tech-Stack:** SVN, PHP, PRADO, MySQL, HTML, CSS, JS, jQuery.

EDUCATION

Sep 2007 - Jun 2011   **B.Sc. in Computer Science.**
                             Princess Sumaya University for Technology.
                             Amman, Jordan.

SKILLS

Human Languages:
- Arabic (native fluency)
- English (bilingual fluency)
- Greek (basic)

Programming Languages, professional experience:
- Python (proficient)
- JavaScript (good)
- C# (proficient)
- Ruby (well)
- PHP (well)

Programming Languages, basic familiarity:
- Kotlin
- Scala
- Java
- C / C++
- Scheme
- Bash

Other Computer Languages:
- SQL (good)
- (X)HTML (good)
- CSS (good)

Frameworks:
- Tornado (Python)
- Ruby On Rails
- C#.NET Stack (ASP, MVC & WCF)
- Ext.NET / Ext.js
- Twitter Bootstrap

Data Stores:
- PostgreSQL
- MongoDB
- Redis
- MySQL
- MS SQL Server

Operating Systems:
- CentOS Linux
- MS Windows
- Mac OS X

Areas of Expertise:
- Web Apps (proficient)
- Desktop Apps (basic)
- System Administration (basic)
- Computer Algorithms (good)
- Machine Learning (basic)
- Compilers (basic)

SELECTED OPEN-SOURCE PROJECTS

*Please refer to: **aalhour.com/projects**, for a longer list of my side projects and open source-contributions.*

- **PyCOOLC,**   Compiler for the *COOL* Language, targeting the MIPS 32-bit Arch., written in Python 3.
  @GitHub: https://github.com/aalhour/PyCOOLC

- **Assembler.hack,**   A 16-bit machine code assembler for the Hack-Assembly Language, written in Python 3.
  @GitHub: https://github.com/aalhour/Assembler.hack/

- **micro_kanren.py,**   A Relational-Declarative Logic programming DSL (Domain-Specific Language).
  @GitHub: https://github.com/aalhour/micro_kanren.py

- **C# Algorithms,**   Portable C# class-library of 35+ Data Structures and 30+ Algorithms implementations.
  @Github: https://github.com/aalhour/c-sharp-algorithms

REFERENCES

- **Saddam Abu Ghaida,** Sr. Engineer / Tech Lead, CCC, 2012 - Present.   sghaida@ccc.gr.
- **Wael Farhan**, Sr. Engineer / Tech Lead, D1G Corp, 2011 - 2012.   wyfarhan@gmail.com.