AHMAD ALHOUR

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WORK EXPERIENCE

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

- Leading progress on TY Connect: a platform for integrating mass-market hotel partners with TrustYou.
- Leading a team of 5 engineers across software specification, estimation, architecture and delivery.
- Full-stack involvement, using mainly Python, Tornado and Web Stack (JavaScript, HTML, CSS).
- Worked on several TrustYou products: TY Analytics, Guest Satisfaction Survey, Stars.
- Developed a complete app for processing millions of hotel reviews daily using Python and Apache Spark.
- ***Tech-Stack:*** *Git, Bash, Python, Tornado, Gulp, Web Stack (JavaScript, HTML, CSS), RabbitMQ, PostgreSQL, MongoDB, Redis.*

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

- Full-stack involvement, using mainly C#, .NET, and Web Stack (JavaScript, HTML, CSS).
- Worked on building open-source powered software to replace existing proprietary solutions.
- Developed a distributed telephony billing and invoicing app for all offices, projects sites and employees.
- Developed multiple small-size apps on various platforms: Android, iOS and Windows 7.
- Designed and developed RESTful APIs for various in-house (legacy) apps.
- ***Tech-Stack:*** *Git, Bash, C#, .NET, MS SQL Server, HTML, CSS, JavaScript, jQuery, Twitter Bootstrap.*

Software Engineer   **Jun 2011 – Oct 2012**
D1G.com   **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, PRADO Framework 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)
- HTML (good)
- CSS (good)

Frameworks:
- Tornado (Python)
- Flask (Python)
- Ruby On Rails
- C# .NET Stack
- Twitter Bootstrap

Data Stores:
- PostgreSQL
- MongoDB
- Redis

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

SIDE 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.