

AHMAD ALHOUR

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WORK EXPERIENCE

Senior Software Engineer, Tech Lead
TrustYou

Jan 2017 - Present
Munich, Germany

- Working on TY Connect: a system for integrating mass-market hotel partners with the TrustYou Platform.
- Leading a team of 5 engineers across task specification, estimation, implementation and software delivery.
- Full-stack involvement, using mainly Python, Tornado and Web Stack (JavaScript, HTML, CSS).
- **Tech-Stack:** Git, Bash, Python, Tornado, PostgreSQL.

Senior Software Engineer
TrustYou

Jan 2016 - Dec 2016
Munich, Germany

- Full-stack involvement, using mainly Python, Tornado and Web Stack (JavaScript, HTML, CSS).
- Working on the TrustYou Analytics Bundle and Guest Satisfaction Survey products.
- Developed an entire app for processing millions of reviews daily using Python and Apache Spark.
- Working hand-in-hand with DevOps to design a complete Automation Pipeline for CI & CD.
- **Tech-Stack:** Git, Bash, Python, Tornado, Gulp, HTML, CSS, JS, RabbitMQ, PostgreSQL, MongoDB, Redis.

Software Engineer in R&D
CCC (Consolidated Contractors Company)

Dec 2012 – Dec 2015
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
D1G.com

Jun 2011 – Oct 2012
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)
Feb 2011
CommunitiesTech

May 2008 –
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

Operating Systems:

- CentOS Linux
- OS X
- MS Windows

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: aalthour.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/aalthour/PyCOOLC>
- **Assembler.hack**, A 16-bit machine code assembler for the Hack-Assembly Language, written in Python 3.
@GitHub: <https://github.com/aalthour/Assembler.hack/>
- **micro_kanren.py**, A Relational-Declarative Logic programming DSL (Domain-Specific Language).
@GitHub: https://github.com/aalthour/micro_kanren.py
- **C# Algorithms**, Portable C# class-library of 35+ Data Structures and 30+ Algorithms implementations.
@Github: <https://github.com/aalthour/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