

# AHMAD ALHOUR

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## WORK EXPERIENCE

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**Senior Lead Software Engineer**  
TrustYou

**Jan 2017 - Present**  
Munich, Germany

- Full-stack involvement, using mainly Python, Tornado, PostgreSQL and an AWS stack.
- Working on TrustYou Connect: a highly-available and data-intensive API over HTTP.
- Leading a team of 5 engineers across task specification, estimation, implementation and software delivery.
- **Tech-Stack:** Git, Bash, Python, Tornado, PostgreSQL, AWS.

**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 several products: TrustYou Analytics; GSS (Guest Satisfaction Survey); TrustYou Stars.
- 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](http://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

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**Sep 2007 - Jun 2011**

**B.Sc. in Computer Science**  
Princess Sumaya University for Technology  
Amman, Jordan

## SKILLS

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### 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

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Please refer to: [aalthour.com/projects](https://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](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

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