

# AHMAD ALHOUR

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## WORK EXPERIENCE

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**Senior Software Engineer, Tech Lead**  
**TrustYou**

**Jan 2016 – Present**  
**Munich, Germany**

- Working 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, PostgreSQL, MongoDB, RabbitMQ, Redis, HTML, CSS, JavaScript.*

**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**  
**CommunitiesTech**

**May 2008 – Feb 2011**  
**Amman, Jordan**

- Worked on a part-time contract, balancing work and university studies.
- 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

### 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* Programming Language, targeting the MIPS 32-bit architecture.  
@GitHub: <https://github.com/aalthour/PyCOOLC>
- **Assembler.hack**, 16-bit machine code assembler for the Hack-Assembly Language.  
@GitHub: <https://github.com/aalthour/Assembler.hack/>
- **micro\_kanren.py**, Relational-Declarative Logical Programming DSL (Domain-Specific Language).  
@GitHub: [https://github.com/aalthour/micro\\_kanren.py](https://github.com/aalthour/micro_kanren.py)
- **C# Algorithms**, Portable C# library of 35+ Data Structures and 30+ Algorithms.  
@GitHub: <https://github.com/aalthour/c-sharp-algorithms>

## REFERENCES

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