

# AHMAD ALHOUR

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## Education

PSUT (Princess Sumaya University for Technology)  
B.Sc. in Computer Science

Amman, Jordan  
Sep 2007 – Jun 2011

## Experience

**TrustYou**  
Senior Software Engineer, Tech Lead

**Jan 2016 – Present**  
Munich, Germany

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

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

**Dec 2012 – Dec 2015**  
Athens, Greece

- Full-stack involvement, using mainly C#, .NET, and Web Stack (HTML, CSS, JavaScript).
- Developed a distributed telephony billing and invoicing app for all offices.
- Developed multiple small-size apps for various platforms: Android, iOS and Windows 7.
- Designed and developed RESTful APIs for various in-house legacy web services.
- **Tech-Stack:** *Git, Bash, C#, .NET, MS SQL Server, jQuery, Bootstrap.*

**D1G Corp**  
Software Engineer

**Jun 2011 – Nov 2012**  
Amman, Jordan

- Full-stack involvement, using mainly Ruby, Rails and Web Stack (HTML, CSS, JavaScript).
- Worked on D1G.com, a network for Arabic content curation, generation and aggregation.
- Developed an MVC app end-to-end for publishing and managing Ads on D1G with DoubleClick.
- Developed public RESTful APIs to support consuming D1G content on mobile apps.
- **Tech-Stack:** *Git, Ruby, Ruby On Rails, MySQL, jQuery.*

**Web Developer**  
CommunitiesTech

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

- Had a part-time contract, balancing work and university studies.
- Worked on the [Bangaia.com](http://Bangaia.com) platform, using mainly PHP, PRADO and MySQL.
- Integrated the Rackspace CDN with [Bangaia.com](http://Bangaia.com) for static assets management.
- **Tech-Stack:** *SVN, PHP, PRADO, MySQL, HTML, CSS, JS, jQuery, Scriptaculous.*

## Skills

**Human Languages:**

**Languages - Professional Experience:**

**Languages - Basic Familiarity:**

**Frameworks:**

**Data Stores:**

**Areas of Expertise:**

**Areas of Interest:**

Arabic (native), English (fluent), German (A2).

Python, C#, SQL, Bash, JavaScript, HTML, CSS.

Ruby, PHP, Go, Scheme, Kotlin, Java, C/C++.

Tornado, Flask, Django, Ruby On Rails, .NET, Bootstrap.

PostgreSQL, MongoDB, Redis, RabbitMQ.

Web Apps, Desktop Apps, Sys Admin, Algorithms.

Big Data, Machine Learning, Compilers.

## Side Projects

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Please refer to: [aalhour.com/projects](https://aalhour.com/projects), for a longer list of my side projects and open source-contributions.

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

## References

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