

AHMAD ALHOUR

MUNICH 81927, BAYERN, GERMANY

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SUMMARY

Polyglot, polymath and a curious tinkerer in many digital crafts. I like authoring software, building programmable interfaces and helping my team crush a mission!

WORK EXPERIENCE

Jan 2019 – Present **Lead Data Engineer (Team Lead)**
TrustYou – Data Team
Munich, Germany

- Working on the Reviews Pipelines, processing 5 million new user-reviews weekly.
- Increased team's productivity by 40% by adopting Kanban practices and Lean KPIs.
- Leading a team of 4 data engineers through project planning, design and delivery.
- Full-stack involvement using Python, Luigi, Hadoop, Spark, Hive and PostgreSQL.

Jan 2016 – Dec 2018 **Lead Software Engineer (Team Lead)**
TrustYou – Connect Team
Munich, Germany

- Worked on Connect, a SaaS platform for integrating hotel partners with TrustYou.
- Redesigned the near-real-time hotel reservations processing system from scratch which led to building partnership with big OTAs (Booking/Protel/SiteMinder).
- Led a team of 5 engineers across software specification, architecture and delivery.
- Full-stack involvement using Python, Aiohttp, PostgreSQL, Docker and Kubernetes.

Dec 2012 – Dec 2015 **Software Engineer**
CCC
Athens, Greece

- Wrote an invoicing app for global telecoms which led to optimizing budget by 20%.
- Designed RESTful APIs for in-house legacy web services which enabled moving into a modern .NET tech-stack.
- Full-stack involvement using C#, .NET, SQL Server, JS, HTML and CSS.

Mar 2011 – Nov 2012 **Software Engineer**
D1G Corp
Amman, Jordan

- Implemented RESTful APIs for the Sony Arabia mobile app partnerships.
- Wrote an app from scratch for automating Ads publishing with DoubleClick.
- Full-stack involvement using Ruby, Rails, MySQL, Memcached, JS, HTML and CSS.

Feb 2008 – Feb 2011 **Software Engineer**
CommunitiesTech
Amman, Jordan

- Worked on Bangaia, a community bootstrapper and social network for Arab youth.
- Designed a PRADO library for static assets management on the Rackspace CDN.
- Full-stack involvement using PHP, PRADO, MySQL, JS, HTML and CSS.

EDUCATION

Sep 2007 – Jun 2011 **B.Sc. in Computer Science**
Princess Sumaya University for Technology
Amman, Jordan

- Participated in the global IEEEExtreme programming competition (9th place).

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SKILLS

Human languages

- Arabic (native)
- English (fluent)
- German (B1)
- Greek (basic)

Programming languages, commercial experience

- Python (4 years)
- C# (3 years)
- PHP (2 years)
- Ruby (1.5 years)
- JavaScript (8 years)

Programming languages, basic familiarity

- Go
- Scheme
- Kotlin
- Java
- C/C++

Other computer languages

- SQL (well)
- HTML (well)
- CSS (well)
- Regular Expressions (basic)

Frameworks

- Apach Spark (well)
- Apache Airflow (basic)
- Luigi (well)
- Aiohttp (expert)
- Tornado (expert)
- Flask (well)

Areas of expertise

- Web Apps (expert)
- Data Engineering (well)
- Hadoop (well)
- Compilers (basic)
- Parsers (basic)

SIDE PROJECTS

Web Development

- Cookiecutter template for developing async Web APIs in Python 3 with SQLAlchemy's ORM: aalhour.com/aiohttp-orm

Educational

- Portable C# library of 35+ Data Structures and 30+ Algorithms: aalhour.com/alg
- COOL Language compiler, targets MIPS 32-bit architecture: aalhour.com/pycool
- 16-bit machine code assembler for Hack Assembly: aalhour.com/assembler
- Various other open source projects and utilities: aalhour.com/github

REFERENCES

- Saddam Abu-Ghaida, Team Lead / CCC saddam.abughaida@gmail.com
- Wael Farhan, Team Lead / D1G Corp wyfarhan@gmail.com