

# AHMAD ALHOUR

MUNICH 81927, BAYERN, GERMANY

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## SUMMARY

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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

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

- Working on the Reviews Pipelines, processing 4 million new user-reviews weekly.
- Refactored the daily batch pipeline using Kafka and Spark which led to an optimized performance by 19%.
- 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.

**Jun 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.

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

- Worked on the Bangaia.com platform, using mainly PHP, PRADO and MySQL.
- Integrated the Rackspace CDN with Bangaia.com for static assets management.

## EDUCATION

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**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

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### 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

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### Web Development

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

### Educational

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

## REFERENCES

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- Saddam Abu-Ghaida, Team Lead / CCC [saddam.abughaida@gmail.com](mailto:saddam.abughaida@gmail.com)
- Wael Farhan, Team Lead / D1G Corp [wyfarhan@gmail.com](mailto:wyfarhan@gmail.com)