



# Omar Qunsul

## About me

Computer Engineer, with masters degree in Computational Science and Engineering from Technische Universität München.

Right now, based in Munich, Germany, and working as a backend developer at Freeletics.

## Work Experience

### Freeletics

March 2016 - Now

Senior Backend Developer.

### Expertiger

February 2014 - February 2016

Ruby on Rails senior full-stack developer. Developing a real-time web application.

Postgresql, Coffeescript & Javascript, Redis.

### Honeytracks

Part-time May 2013 - August 2013, Full-time October 2013 - January 2014

PHP and front-end developer. MySQL, RabbitMQ.

### Boundlessdrop (akhtaboot.com)

March 2009 - September 2011

Full-stack developer of an internal CRM system. Ruby on Rails, Redis, JQuery, Postgres.

### JoVision

Part-time April 2008 - October 2008

Image Processing using Microsoft C#.

## Education

### 2013 - Masters degree in Computational Science and Engineering

Technische Universität München, Munich, Germany

Graduated in September 2013 with GPA of 1.7 (good).

### 2009 - Bachelors in Computer Engineering

University of Jordan, Amman, Jordan

Graduated in 2009, with a GPA of 3.67 out of 4.0 (excellent). Ranked 8th among 127 students in the academic year of 2008/2009.

### 2004 - Secondary Education Diploma (Tawjihi)

Latin secondary school, Madaba, Jordan

Graduated with a percentage average of 96.8% and within the 99.73% percentile nationwide.

## Publications

- G. Abandah, K. Darabkh, T.Ammari, and O. Qunsul. **Secure national electronic voting system**. Journal of Information Science and Engineering. Accepted for publication 2014.

## Skills

### Programming Languages

- Ruby (Proficient)
- Javascript (Proficient)
- Python (Very good)
- C (Very good)
- C++ (Very good)
- Java (Prior experience)
- PHP (Prior experience)

### Parallel Programming

- MPI
- OpenMP
- Nvidia CUDA

### Web Development

- Ruby on Rails 4
- Node.JS
- RSpec
- Bootstrap
- Angular
- Websockets
- Socket.IO
- Phonegap
- HTML5, CSS
- Solr
- PhantomJS

Omar Qunsul  
Entenbachstr. 3  
81541 Munich  
Germany  
+49 1578 1360534

omar.qunsul@gmail.com  
www.qunsul.com

## Devops

- Docker
- Kubernetes
- Jenkins

## Other

- Redis
- MySQL
- Postgres
- Python
- Git, SVN
- Matlab
- OpenCV

## Fields of interest

- NoSQL databases.
- Real-time web applications.
- Parallel programming.

## Projects

- Worked on a fork of the **Redis** database, by extending it to support graph data-structure and graph traversal algorithms. Implemented in C.

More information available on <http://qunsul.com/graph-redis>.

- Designed and programmed my own real-time multiplayer chess web app: <http://www.chessduo.com/en>. It's powered by **Node.js**, **jQuery**, **Socket.IO**, **Postgres**,

**Redis** and **Ruby on Rails**. More information available in these tech talks

<https://www.youtube.com/watch?v=pgJUHhWlds0> and

<https://www.youtube.com/watch?v=OzA0FhYm7PI>

## Languages

- Arabic: Native
- English: Fluent (TOEFL Certified)
- German: Intermediate (B1 Level)