

Mohamed Bassem

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Employment

- Software Engineer** **Facebook, London** **May 2017 - Present**
- Worked on enhancing and maintaining Facebook's intrusion detection system.
- Site Reliability Engineer, Intern** **Google, Munich** **November 2016 - February 2017**
- Developed a load testing framework for project Shield. Written in Go and runs on top of kubernetes.
 - Introduced some additions to one of the internal cloud deployment tools.
- Software Engineer, Intern** **Facebook, London** **Summer 2016**
- Developed an access control mechanism for employees' access to sensitive data.
- Software Engineer, Intern** **Zoobe, Germany** **Aug. 2015 - May 2016 (Partially Remotely)**
- Developed a C++ library to replace an FTP exporter with a "git" version controlled one.
 - Designed and implemented a scalable service using Go responsible for collecting events and then generating, aggregating, scheduling and delivering push notifications from those events.
- Software Engineer, Intern** **Trustious, Egypt** **June 2014 - February 2015**
- Developed an A/B testing library for rails.
 - Introduced changes to the caching infrastructure that lead to a 2x speedup in some pages.
 - Designed and implemented the Continuous Integration pipeline.
 - Implemented a test parallelization framework using Docker that lead to a 4x speedup.

Education

- German University in Cairo** **Sep 2011 - July 2016**
- Bachelor of Science (B.Sc.) in Computer Science.
 - Selected undergraduate courses: Operating Systems, Databases, Computer Architecture, Software Engineering, Discrete Mathematics, Data Structures and Algorithms, Networks, Theory of Computation.
 - **GPA : 3.83/4.0 (A+).**

Selected Open Source Projects

- **Get a Redis** (<http://getaredis.mbassem.com>): A one click, docker based, auto scaling, redis hosting implemented in Go and hosted on Digitalocean.
- **Servgo** (<https://github.com/MohamedBassem/servgo>): A simple HTTP server for static websites written from scratch with thread pools in Go.

Achievements and Awards

- ACM International Collegiate Programming Contest (ICPC) 2015 **World Finalist**.
- **2nd top ranked student** in my faculty.
- Ranked **4th twice** in the ACM Arab Collegiate Programming Contest (ACPC), Egypt (2014, 2013).

Skills

- C++, Go, Java, PHP, Ruby, Python, HTML, MySQL, Javascript, Bash, Docker, Rails, Vim user.