London
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Employment

Site Reliability Engineer   **GoCardless**   **March 2019 - Present**
- Build and maintain reliable infrastructure for GoCardless.com

Software Engineer   **WeQ Global Tech GmbH**   **November 2017 - March 2019**
- Develop, deploy, & maintain customer facing microservices (Java/PHP) handling over a billion reqs/day.
- Create, and maintain infrastructure as code for new and legacy systems/microservices.
- Own services uptime, and perform systems troubleshooting & debugging and participate in on-call rotations.

Sr. Software & Platform Engineer   **zlabs (zlien.com)**   **March 2013 - October 2017**
- Leading a team designing & developing an internal platform for data verification and research process.
- Migrating zlien.com's platform to a microservices based architecture.
- Designing & building zlien's API that ingests 100K+ transactions every week from our customers' systems.
- Reduced release time from an average of 1-2 days, to an average of 3-7 minutes by automating the process.
- Turned the few downtimes a week into 99.9% uptime of the platform for the past 4 years.
- Administrating Git source repositories, defining branching strategies and tutoring a team of 13 about it.

Software Engineer   **Inmobly**   **January 2012 - May 2012**
- Designed, developed & deployed Python backends for two mobile apps that recorded and streamed videos.

Lead Software Engineer   **Wuzzuf.net**   **April 2010 - April 2011**
- Designed, and lead the team to implement the software and infrastructure architecture that handles 5 million CVs and 1M+ of job postings.

Software Engineer   **Citex Software**   **April 2010 - April 2011**
- Reverse engineered on-premise industrial printing system worfklow & developed an online drupal system to integrate with it in order to provide online ordering features to customers.
- Created a PHP template engine reducing the amount of templating development work to 20%.

PHP Developer   **Media International**   **January 2007 - September 2008**
- Designed, developed, deployed and maintained PHP projects (linux servers, load balancers, MySQL).

PHP Developer   **20at.com**   **January 2004 - December 2006**
A rebellious first of a kind editorial platform by youth in the middle east
- Rebuilt the portal migrating from a legacy system, and built new sites and platforms.

Education

Cairo, Egypt   **University of Cairo**   **Fall 2000 - May 2005**
- Dropped out of a B.S.E. in Computer Engineering for personal and family reasons. (Fall 2003 - Summer 2007).

Open Source Projects

- **Toggl Target** (2013). CLI working hours planning tool. Featured in Toggl API documentation. Python, Requests.
- **Grid Status Now** (2014). Egypt's power grid load status as an open source web service. PHP, Symfony.
- **Power Close** (2014). A browser addon to close tabs based on domain or keyword. JavaScript, Firefox, Chrome.

Programming Languages & Technologies

- Python; PHP; Bash; SQL; JavaScript; *Recently started learning/using:* Java; C; Go; Linux System Programming;
- Linux; Linux Internals; TCP/IP; Apache; MySQL; Git; Mercurial; Docker; Docker Swarm; Ansible; Amazon AWS; *Recently started learning/using:* Terraform; Redis; MongoDB; Kafka; Kubernetes;

Additional Links & Info

- **Personal Website:** https://mosab.co.uk
- **Github Profile:** https://www.github.com/mos3abof
- **Linkedin Profile:** https://www.linkedin.com/in/mosab