London
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Employment

Senior Site Reliability Engineer **Twitter** **May 2020 — Present**
- Improve the availability, scalability, performance and reliability of Twitter's production services.

Site Reliability Engineer **GoCardless** **March 2019 — April 2020**
- Protect, provide for, and progress the software and systems that make up the GoCardless product, supporting product teams in the deployment of high quality services.

Software Engineer **WeQ Global Tech GmbH** **November 2017 — March 2019**
- Developed, deployed, & maintained customer facing microservices (Java/PHP) handling over a billion requests/day.
- Created, and maintained infrastructure as code for new and legacy systems/microservices.

Sr. Software & Platform Engineer **zlabs (levelset.com)** **March 2013 — October 2017**
- Lead a team designing & developing an internal platform for data verification and research process.
- Migrated the levelset.com platform to a microservices based architecture.
- Designed & built the API that ingests 100K+ transactions every week from enterprise customers' systems.
- Optimised time to release by orders of magnitudes (2 days to 5 minutes), and improved uptime (99.9% from several outages a week).

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 implementing Egypt's leading hiring platform.

Software Engineer **Citex Software** **April 2010 — April 2011**
- Integrated Drupal and with on-premise indurstrial printing system to provide online ordering features.
- Developed 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 2003 — Summer 2007**
- Moved between computer & civil engineering, architecture, and commerce, before dropping out for family reasons.

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; Go; Bash; SQL; Java; C; Linux System Programming;
- Linux; Linux Internals; TCP/IP; Apache; MySQL; Git; Docker; Ansible; Amazon AWS; Google Cloud; Kubernetes; Terraform; Kafka; Prometheus;

Links

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