

Employment

Production Engineer London, United Kingdom	Meta/Facbook	Mar 2022 — Present
<p>Production Engineering combines software, systems, and infra engineering. Production Engineers are known for their ability to work on a wide variety of projects across multiple teams. Whether writing code or debugging hard problems in production, our team makes sure that Meta apps and services are reliable and scalable. Production Engineers help the over 3.6 billion monthly users around the world who depend on Meta products like Instagram, WhatsApp, Oculus and Videos as well as backend services like Storage, Cache and Network.</p>		
Senior Site Reliability Engineer London, United Kingdom	Twitter	May 2020 — Mar 2022
<ul style="list-style-type: none">Improved the availability, scalability, performance and reliability of Twitter's production services.Worked as part of the SRE team providing Twitter teams with Databases infrastructure (MySQL, PostgreSQL, Vertica, Druid).Designed and built a service that automates and massively reduces toil, providing a 98% drop in the time to provision resources, which works out to >100k saving in person hours (>139 person months, >11.5 person years) in the next few years.		
Site Reliability Engineer London, United Kingdom	GoCardless	March 2019 — April 2020
<ul style="list-style-type: none">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 Berlin, Germany	WeQ Global Tech GmbH	November 2017 — March 2019
<ul style="list-style-type: none">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 Cairo, Egypt	zlabs (levelset.com)	March 2013 — October 2017
<ul style="list-style-type: none">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).		
Senior Software Engineer Cairo, Egypt	Handmade Studios	June 2012 — February 2013
<ul style="list-style-type: none">Designed, developed & maintained an editorial website for entrepreneurs and startups.		
Software Engineer Cairo, Egypt	Inmobly	November 2011 — May 2012
<ul style="list-style-type: none">Designed, developed & deployed Python backends for two mobile apps that recorded and streamed videos.		
Technical Consultant Cairo, Egypt	Bluw i LTD	June 2011 — September 2011
<ul style="list-style-type: none">Implemented a social network for entrepreneurs to raise funds from angel investors using Drupal.		
Lead Software Engineer Cairo, Egypt	Wuzzuf.net	April 2010 — April 2011
<ul style="list-style-type: none">Designed the architecture for lead the team in implementing wuzzuf.net (Egypt's leading hiring platform).Collaborated closely with the company's CTO.Managed, monitored and maintained the infrastructure for wuzzuf.net.		
Senior Software Engineer Cairo, Egypt	Arabia Inform	November 2009 — April 2010

- Designed and built an archiving solution for media with an advanced search index and media encoding features.
- Implemented and deployed an ads management solution for the company's website network.
- Collaborated with other teams on infra upgrade projects and migrations.

Software Engineer

Citex Software

October 2008 — November 2009

Cairo, Egypt

- Integrated Drupal and with on-premise industrial 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

Cairo, Egypt

- Designed, developed, deployed and maintained PHP projects (linux servers, load balancers, MySQL).
- Developed customized web applications for our clients mainly using Drupal and Joomla, but sometimes with other tools as well.
- Designed and executed data migration projects for some of our clients from legacy systems to solutions provided by our team.
- Surveyed, and reviewed tools for internal use by our team.
- Installed and configured load balancing linux web servers and implemented MySQL replication and file synchronization solutions.
- Monitored the servers, resolved production issues, and maintained service uptime.

PHP Developer

20at.com

January 2004 — December 2006

Cairo, Egypt

- Developed a new content management solution (CMS) from scratch to meet the editorial and business requirements
- Designed and executed data migration plan from the legacy version of the website to the newly developed system.
- Maintained the online website codebase, and applied bug and security fixes.
- Developed new features and sub-portals in reaction to business needs and special current events (e.g. world cup 2006).

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; Rust; Linux System Programming;
- Linux; Linux Internals; TCP/IP; Apache; MySQL; Git; Docker; Ansible; Amazon AWS; Google Cloud; Kubernetes; Terraform; Kafka; Prometheus;

Natural Languages

- Arabic: mother tongue
- English: fluent.

Links

- Website: <https://mosab.co.uk>,
- Github: <https://github.com/mos3abof>,
- Linkedin: <https://linkedin.com/in/mosab>,
- Twitter: [@mos3abof](https://twitter.com/mos3abof)