

## Employment

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**Sr. Software Engineer & DevOps**      **zlabs (zlien.com)**      **March 2013 - Present**

- 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.
- Designing & building the waivers product that is targeting new segments of customers and is a stepping stone to building collaboration features.
- 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**

- Learned and used Python to develop & deploy backends that recorded video streams and streamed them to two mobile apps through RESTful APIs in under 5 months.

**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 workflow & 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**

- Developed and maintained various PHP projects.
- Deployed and maintained linux, web, database servers, MySQL replication, and load balancers.

**PHP Developer**      **20at.com**      **January 2004 - December 2006**

A rebellious first of a kind editorial website by youth in the middle east

- Made the system extensible which made it easy to spin off new sub-portals in less than a few days, some times a day. This made it easier for the team to cover major events efficiently fast, and innovatively.
- Rebuilt the website from scratch and migrated the old data to the new system.
- My first real world project was a crowd sourcing elections monitoring and reporting platform.

## Education

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**Cairo, Egypt**      **University of Cairo**      **Fall 2000 – May 2005**

- Dropped out of a B.S.E. of Computer Engineering from faculty of engineering for personal and family reasons. (Fall 2003 - Summer 2007).

## Open Source Projects

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- **Toggl Target** (2013). A tool to plan working hours distribution in order to achieve monthly goals. The project is used as the first example in the official 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.

## Languages and Technologies

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- PHP; Python; Bash; SQL; JavaScript;
- Linux; Apache; Nginx; MySQL; Git; Mercurial; Docker; Docker Compose; Ansible; Amazon Web Services;
- Vim; PhpStorm; PyCharm; Emacs; Netbeans; Eclipse; Sublime Text;