

Hady Ahmed

Software Developer

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Who Am I?

I'm a software developer, working in web & infrastructure development, tools development, and compiler design.

I also happen to be a polyglot engineer, started my career as a Ruby developer and throughout the years, I had the chance to expand on that, building commercial solutions and hobby projects in OCaml, Erlang, Pascal, Forth, Lisp (CL / Clojure), Golang, and Smalltalk. I've also worked on projects that integrated multiple languages and tech stacks.

Anything that could change the way I think and approach a problem is worth learning in my book.

Experience

IBM Egypt (2016 - Current)

- Doing AIX systems support for LVM, VIOS (Virtualization), HMC, and PowerVC.
- Designing a source-to-source compiler in OCaml for a small functional programming language that compiles to various shell scripts (Bash and Korn).

Military Service (2015 - 2016)

- Developed a FIDS (Flight Information Display System).
- Built the FIDS as a MirageOS Unikernel in OCaml for East Cairo Airport.
- System client for low-end computing hardware in Pascal.

Gyrolabs (2014 - 2015)

- Worked on the real-time presence and VOIP services in UserTalk (<https://www.getusertalk.com/>) using Ruby on Rails.
- Developed the online billing and subscription management of UserTalk, integrating with Payfort billing gateway.

Tabshora (2011 - 2014)

- Founder, CEO and Chairman of the board at Tabshora, S.A.E. Tabshora was a startup born out of the first Startup weekend in Cairo. 1st Place runner-up to USAid's Global Entrepreneurship program, NextGen.
- I secured funding from Flat6labs startup incubator.
- Led the company with two more partners and 12 employees throughout the history of the business.
- Built five products in Ruby, Erlang, and Javascript.

Backpack (2010 - 2011)

- Led the development of the backend web APIs for three mobile platforms, designing and implementing a distributed API in Ruby and data mining algorithms in Common-Lisp.
- Managed a small team of mobile developers working on Android, iOS, and Blackberry.

Freelancer (2007 - 2010)

- Worked on various projects ranging from small-time visual basic programs to web application development in Ruby on Rails using websites like Elance (Defunct) and oDesk (Defunct).

Volunteering and Open Source

Coach, Startup Weekend Assuit

- Sought out as a Coach for Startup weekend Assuit for my work on Tabshora.
- Provided guidance into building technology startups and managing personal life while juggling multiple hats.
- Helped them work on their business plans and pitch decks for investor pitching and final presentations.

Mentor, Injaz

- Approached by Injaz to mentor a school class about Entrepreneurship.
- Helped the kids realize a viable product from planning to execution and producing an eco-friendly laptop bag.

Lecturer, Workshop on IT Decision Making

- Worked with EGYPTRENEUR, TIEC, and MCIT delivering seven lectures in 7 governorates.
- Workshop was about IT Decision Making, spoke about how to pick the right technology stack for your startup and how to avoid technical debt.
- Given to a little over 100 Entrepreneurs in total.

Lecturer, GUC Diggers CS Club

- Gave Lectures about Java programming and advanced Java programming techniques, NIO, and JEE.
- Given to 3rd and 4th year CS students.

OSS Contributions

- Ruby and Erlang libraries for Clearhaus. Online payments API from Aarhus, Denmark.
- Ruby, Javascript and PHP libraries for WireIO. A real-time messaging API platform developed at Tabshora.
- Sortviz, Terminal based sorting visualization using Ruby and Curses

Education

Bachelor of Science in Business Informatics, GUC (2007 - 2014)

- Course work in Software Engineering, Data Mining, Information Security, Corporate Accounting, Tax Accounting, Financial Auditing, Economics, Information, and Communication Architecture, ERP Solution development, OBHR, HCI, and ITPM.
- Extra-Curricular Activities:
 - Delegate, GUC Model United Nations.
 - Delegate, GCBT (Global Conference on Business Transactions).