Marcos Souza

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Basic Info

📧 : me@msouza.tech

🌐 : https://msouza.tech

🐙 : github.com/msouza91

- Azure DevOps Expert Certified.

  Credential ID: 5BA84FF1F7002185 Certification number: 8F43A0-L059E6

  For more information, go here: https://learn.microsoft.com/en-us/credentials/certifications/devops-engineer/.

- Openshipt Development 101 - [Certificate](#)

Experience

2016–2017	**I.T Support**
	Municipal Secretariat for Human Rights, Fortaleza, Ceará - Level 1 Support, responsible for the maintenance of the computer network, printers and PCs.
2017–2022	**Site Reliability Engineer**
	Foundation for Science, Technology and Innovation (CITINOVA), Fortaleza, Ceará - Management of the infrastructure of the institution's servers, responsible for the maintenance of the network, servers and services.
2022–Now	**Devops Engineer**
	Iteris Consultoria e Software, São Paulo, São Paulo - designing and maintaining CI/CD pipelines using GitHub Actions and Azure DevOps, creating Infrastructure as Code configurations with Terraform and Azure Bicep for Azure and AWS deployments, deploying applications in virtualized and containerized environments like ECS and Kubernetes, developing Helm charts, and writing Bash and PowerShell scripts for pipeline and environment customization.

Education

| 2017–2022 | **Sysem Analysis and Development** |
| | *Centro Universitário Estácio do Ceará, Fortaleza, Ceará* |

Languages

| HUMAN | [English](#) , Portuguese |
| MACHINE | Python, Perl, R, PHP, Matlab/GNU Octave, bash/shell, some superficial knowledge of C, common LISP and Haskell; markup languages including LaTeX/X꜒TEX, R Markdown, HTML, CSS. |

Tools I Use

I have lots of tutorials on many of these programs and tools on my [my YouTube channel](#) ▶.

Usual Workflow

I use a **vim**-based setup in a tiling window manager (**i3-gaps**). I compile documents using **R Markdown** or LaTeX, and **biber** for references. I prefer to do multimedia manipulation in the terminal with tools like **imagemagick** and **ffmpeg** for extensibility's sake. I've run Microsoft, MacOS and GNU/Linux systems (both Debian and Arch-based varieties, as well as Void Linux).

tmux, ssh, RStudio, Blender (mostly for video-editing), Praat, Audacity, E-Prime, GIMP, pandoc, Jupyter. I've managed websites manually via ssh and vim using HTML/CSS/PHP and with tools such as Github Pages (Jekyll) WordPress via either cpanel or wp-cli. Some experience with myBB.

Public Code and Scripts

2018	**mutt and offlineIMAP wizard** ⊕ *A fully-featured configuration tool.* A tool for automatically configuring mutt, offlineIMAP, notmuch and other parts of a full email system with automatic detection of IMAP and SMTP protocols and automatic password encryption
2017–2018	**shortcut-sync** ⊕ *A small system for synchronizing configs between bash and other shells, ranger and qute-browser.*
In Progress	**Corpus Latinum Lucæ** ⊕ *A planned linguistic corpus of the Latin language, to be searchable by regexes and grammatical category, with an interface written in Python.* As of now I've constructed the parser to generate the corpus from raw text files.
2017–Now	**Luke's Auto-Rice Bootstrapping Scripts (LARBS)** WWW ⊕ *A dynamic installer for an i3wm Arch Linux distribution*
2016–Now	**Voidrice** ⊕ *Linux dotfiles* A set of GNU/Linux dotfiles that I popularized on YouTube, aiming at creating a powerful, optimized, all-purpose and lightweight general computing environment. Innovated dynammically configured and synced rc files.
2015	**http://LukeSmith.xyz** WWW *My website* Written from scratch. Modern traditional feel. I generate the website offline with PHP and upload a static version of only HTML/CSS.
2016–2017	**/Comfy/ Arch** *Automatic ricing tool* A web-based deployment system for configuration files which focuses on enabling novice Linux users to get immersed quickly in advanced ricing environments. No longer actively maintained as it has been largely replaced by LARBS (above).
2013	**Vulgarizer** *Sound Change Simulator* A string-manipulation paradigm written in Python for simulating phonetic and phonological change over time. The original implementation focused on modeling changes between Latin and Spanish and then other Romance languages, but if I continue the project, my hope is to generalize this.

Online Tutorials

I produce screencasts and produce other videos for public use as tutorials on YouTube on my channel. ▶ As of January 2018, over 13,000 subscribers, with 1.4 millions views on over 100 different videos. All of these series below are ongoing.

R / Statistics ▶	[1]: Arithmetic, Variables and Vectors, [2]: Basic Statistical Functions and Logic, [3]: Dataframes, Subsetting and Ifelse
LaTeX ▶	[0]: Installation [1]: Compiling, Titles, Sections, Formatting, Syntax [2]: Labels, References and Lists [3]: Bibliographies [4]: Résumé-making Part 1 [5]: Résumé-making Part 2 [6]: Images, Figures [7]: Beamer Slideshow Presentations [8]: Macros
vim ▶	Macros— Workflow with LaTeX— Basic Tips After Vimtutor— SC-IM - Vim-based Terminal Spreadsheet Editor— Custom code snippets, for IDE functionality— Vi-mode in bash— Spell-checking and Dictionaries— How vim Makes my Daily Life Easier
Linux	Videos on hacking and modifying Linux graphical environments particularly on i3-gaps, including customization, window management, program-shortcutting, optimization. ▶

Service

Soon	**Coyote Papers Editor for the 2018 Arizona Linguistics Circle** *University of Arizona*
2017–Now	**Manager for Tom Bever's Language and Cognition Lab site** 🌐 *University of Arizona* http://coglanglab.com
2017	**Arizona Linguistic Circle Peer-Reviewer** *University of Arizona* Judged and gave feedback for scholarly articled submitted for the Arizona Linguistics Circle.
2015–2016	**Indo-European Reading Group Director** *University of Arizona* Covering general historical linguistics, and the particulars of PIE morphology, phonology and development. Group materials located at lukesmith.xyz/pie 🌐.
2014–2016	**LSUGA Website Manager** *University of Georgia* Created and managed the LSUGA website, http://www.lsuga.com. (Now apparently reformatted.)
2014–2015	**LSUGA Interdisciplinary Conference in Linguistics Committee Member** *University of Georgia* Managed email, reviewed papers and did audio and video for conference.
2014–2015	**Graduate Student Mentor** *University of Georgia*
2014	**Socio-Paths Sociolinguistics Reading Group Co-director** *University of Georgia*
2014	**Typology Reading Group Director** *University of Georgia* Covered classical Greenbergian typology, particularly with relevance to historical linguistics.

Writings

Section incomplete. Only contains major degree requirements now. To be updated. More minor squibs of mine can be found at https://lukesmith.xyz/linguistics 🌐.

SOON	**Unnamed dissertation** *Dissertation, University of Arizona* Probable committee?: Tom Bever, Mike Hammond, Massimo Piattelli-Palmarini, Robert Henderson.
2017	**Scope Without Syntax: A Game Theoretic Approach** PDF 🌐 *Second qualifying paper, University of Arizona* Committee: Robert Henderson, Massimo Piattelli-Palmarini, Tom Bever, Mike Hammond.
2017	**Syntax Without Syntax** PDF ▶ 🌐 *First qualifying paper, University of Arizona* Committee: Mike Hammond, Simin Karimi, Heidi Harley.
2015	**External Possession and the Undisentanglability of Syntax and Semantics** PDF *Master's thesis, University of Georgia* Committee: Vera Lee-Schoenfeld, Tim Gupton, Pilar Chamorro.

Hobbies

Classical languages, human evolution and prehistory, free (i.e. libre) software, survivalism, cybernetics, medieval thought, Rhaeto-Romance poetry. I run a web forum at forum.lukesmith.xyz.

References

- Email me 🍚 with your interests in me and I'll refer you to someone who can vouch for me or defame me, depending on what you want.

- I upload all of my teaching evaluations to https://lukesmith.xyz/classes#evals 🌐 and they can be read there.