

SUMMARY Web developer with seven years experience writing full-stack database backed web applications. Experienced with Ruby (and Rails), Haskell (Snap), Python, and Postgresql. A commiter to Snap, a web framework for Haskell.

WORK EXPERIENCE *Web Developer - Haskell, Snap, Postgresql, Redis.* 2014
Research Project

- Interactive tool for people 70+ to plan their lives, as part of a research study at Northwestern University. Followed extensive usability guidelines, while making interactivity suitable for technically unsophisticated users

Web Developer - Haskell, Snap, Postgresql. 2014
Data-driven CMS

- Built a lightweight CMS used by various clients with custom data schema.

Web Developer - Haskell, PHP, Snap, Wordpress, Postgresql, Stripe. 2013-2014
Paywall / Subscriptions System

- Paywall, subscription fulfillment system and mailing list for Jacobin Magazine, integrated into existing Wordpress site.

Web Developer - Ruby, Rails, Postgresql. 2010-2014
Food Auditing Webtool

- Application for students to upload and analyze information about food consumption at their universities, built for the non-profit Real Food Challenge.

Web Developer - Python, OCaml, Paypal, Haskell, Snap, Postgresql. 2007-2009
Freelance

- Lightweight python framework built for client websites.
- Digital music store for a small recording studio.
- Application for cooperatively manage shifts, and a declarative ajax framework, built in collaboration with various workplaces in Providence, RI.

Engineering Intern - PHP, Python, C. Summer 2007
Facebook, Palo Alto

- Worked on internal tools, and an experimental PHP to Python bridge to allow new code to be written in Python (before PHP to C++ compiler was written).

SKILLS *Haskell, SQL, Ruby, Python, OCaml, C, C++, x86, Java, Linux, Git, Darcs, Mercurial.*

PUBLICATIONS

- *CaptainTeach: Multi-Stage, In-Flow Peer Review for Programming Assignments.* Joe Gibbs Politz, Daniel Patterson, Kathi Fisler, and Shriram Krishnamurthi. ITiCSE 2014.
- *Python: The Full Monty - A Tested Semantics for the Python Programming Language.* Joe Gibbs Politz, Alejandro Martinez, Matthew Milano, Sumner Warren, Daniel Patterson, Junsong Li, Anand Chitipothu, and Shriram Krishnamurthi. OOPSLA 2013.

EDUCATION *Bachelor of Science, Math and Computer Science*
Brown University, Providence RI