peter sobot

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200 University Avenue West
Waterloo, Ontario
N2L 3G1

I'm competent with:

Python · Ruby · Rails
C++ · Go · C
Java · C# · PHP

HTML/HAML · CSS/SASS
Javascript · Coffeescript
Objective-C · iOS SDK

Mac OS X · Bash
Linux · Apache · Nginx

I've written about:

Inexpensive Bandwidth Distribution Strategies · Text Knockout in Canvas · Smart Image Cropping in Ruby and C++ · Streaming MP3 in Python · Memory Leaks in Python C Extensions · Deadlocks in Python · Cross-Process Callbacks · Reducing Reliance on Third-Party APIs

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I'm a software developer with a passion for beautiful design, intuitive user interfaces and clean, efficient code.

Areas of Expertise:

Languages: Python, Ruby, C, C++, Objective-C C#, Java, Go, SQL
Frameworks: Ruby on Rails, Tornado, iOS SDK, Android SDK
Software: Vim, Git, XCode, Visual Studio, Nginx, Node.JS, Apache

Experience:

Founder & Lead Developer at Appstruments (2011-present)
- Crafted viral music apps for the web, Android and iOS:
  - *the Wub Machine*, an automatic music remixer used 2,000+ times daily
  - *forever.fm*, an endless, automatic & beatmatched radio station
- Created architecture to scale to 60k uniques/month with minimal cost

Infrastructure Engineering Intern at Inkling Systems, Inc. (Winter 2013)
- Wrote crucial software to manage Inkling's private cloud infrastructure
- Created redundant & isolated demo environment for key product launch

Software Developer at Capcom Game Studio Vancouver (Summer 2012)
- Expanded automated testing frameworks for *Dead Rising 3* on the Xbox One
- Improved data capture and visualization tools in PHP, SQL, C# & OpenGL

Software Developer at The Working Group (Fall 2011)
- Development lead for 1THING, an online mobile-optimized social journal
- Independently designed and developed iPhone applications
- Worked with clients and designers to create and maintain Rails apps

Education:

Candidate for Bachelor of Software Engineering
from the University of Waterloo (expected graduation: 2014)
- Resident of VeloCity Startup Incubator (2010-2012)
- BrOS, the "Bro OS" (Winter 2012)
  Built a rudimentary operating system in C for the ARM Cortex-M3
- "Colour of the Web" (Fall 2010)
  Co-wrote an app to determine the average colour of the internet

Activities & Interests:

Musician (1995-present)
- Wrote, performed and produced 5 full solo albums of rock and electronic