

**Name**
Paul B. Hartzog**Address**
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734-478-0760**Email**
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SOCIAL

**Twitter**
@paulbhartzog**Facebook**
paul.b.hartzog**LinkedIn**
paulbhartzog**Slideshare**
paulbhartzog**YouTube**
PaulBHartzog
"Academic"

CODE

**Codepen**
paulbhartzog**GitHub**
paulbhartzog**Plunkr**
paulbhartzog**JSFiddle**
paulbhartzog**PASSION**
Exploring Challenging Problems

***Paul B. Hartzog** helps people understand and solve complex business and coding challenges so that they can create robust and interactive software applications.*



Paul B. Hartzog has worked in the Internet industry since before there was a World Wide Web. Starting in **SGML**, he quickly moved into **HTML** and **created one of the first website application platforms**, which is still in use today. He has remained at the **forefront of emerging technologies** ever since. Paul **designed** and **taught** "Information Theory and Practice" as well as "Network Computing" at the University of Michigan's School of Information, where he was a recipient of an NSF IGERT to study **complex systems**. Along the way he has demonstrated expertise in many forms including **network** and **systems architecture, software** and **web application design**, as well as **marketing communications**. Paul has also lectured at the University of Utah and Stanford University.

Besides coding numerous frameworks, Paul is the developer of **FLOWS**, a standards platform to enhance Internet interoperability by allowing for the interaction of data and messages from a wide variety of sources and targets. (SiliconAngle video interview is on Paul's "Academic" YouTube channel listed below)

**SKILLS**
A Multi-Dimensional Array

<i>Elixir / Phoenix</i>	<i>DevOps (CI / Cloudflare / AWS)</i>	<i>MySQL / PostgreSQL / etc.</i>
<i>Python</i>	<i>Git / Github</i>	<i>Ruby / Rails</i>
<i>Mocha / etc.</i>	<i>AngularJS / Ember / React / Vue</i>	<i>Javascript</i>
<i>REST / APIs</i>	<i>Grunt / Gulp / Webpack</i>	<i>HTML / CSS / LESS / SASS</i>
<i>Futurist</i>	<i>PHP / Drupal / WordPress</i>	<i>SGML / XML / XHTML</i>
<i>Networks</i>	<i>Complexity</i>	<i>Complex Systems</i>



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paulbhartzog2020-2023 **TTI Worldwide (Techtronic Industries)***Consultant, Senior Lead & Developer, DevOps*

- ❖
- System Design & Development, Elixir, DevOps, Ruby**

2018-2020 **Holo (Regenerative Software)***Consultant & Developer*

- ❖
- System Architecture & Design, DevOps, Javascript**

2017-2018 **PrintSites, Inc.***Consultant & Developer*

- ❖
- Javascript, AngularJS, TypeScript, PHP, Symfony, EmberJS**

2017 **Self-Employed***Consultant & Developer*

- ❖
- Javascript, EmberJS, Ruby/Rails, testing (QUnit, RSpec, Ghost Inspector)**

2016 - 2017 **MWW On Demand***Engineering Manager & Consultant*

- ❖ **Engineering Manager** for internal staff & external contractors on Agile development: code, review, deploy.
- ❖ **Research and planning** of future technology strategies.
- ❖ **Ruby/Rails API, Ember, DevOps**

2004 - 2016 **Self-Employed***Consultant & Developer*

- ❖ **Project Lead, Senior Architect, Consultant, and Developer** (with partner N- Tonic) on HIPAA-compliant medical mobile/web application.: **HTML, Javascript, AngularJS, APIs**
- ❖ **Project Lead, Senior Architect, Consultant, and Developer** (with partner N-Tonic) on multiple HIPAA-compliant medical services with the state of California: **HTML, PHP, Javascript**
- ❖ Developer of **FLAWS**, a standards **framework** to enhance Internet interoperability
- ❖ **Coordinator and Developer** for **Howard Rheingold, The Institute for the Future / DARPA** project the **Cooperation Commons**, an online repository of cooperation and commons research summaries.

2008 - 2011 **Future Forward Institute***CEO, Founder, Consultant, & Developer*

- ❖ **Senior Architect, Designer, Developer, and Project Manager** (Development)
- ❖ **HTML, CSS, PHP, MySQL, Javascript, JQuery, Ruby/Rails, Python, DevOps, etc.**

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paulbhartzog2003 - 2010 **University of Michigan, University of Utah**
*Instructor, Graduate Student Instructor*Designed and taught **HTML, CSS, EndNote** classes, as well as "Analysis and Design of Online Communities", "Information in Social Systems", and "Networked Computing."Before 2003 **Vital Smarts**
MindWire Interactive*Senior Development Manager*
*CTO / Senior Developer*Paul B. Hartzog has made significant contributions to **lomega, TimeWarner Communications, U.S. Postal Service, Trinet, and Nortel Communications**, providing a full-range of internet services from **web development** and **programming** to **system administration**.**EDUCATION**
Life Is Learning2009 **M.S. Degree in Political Theory (Complex Systems)***University of Michigan*
Political Theory / Complex Systems / Information2005 **M.S. Degree in Political Science (Statistics)***University of Utah*
Globalization & Environmental Politics / Sustainable Development2003 **B.S. Degree in Political Science***University of Utah*
World Politics / Economics**FURTHER/more**
Links & Pointers**Info**

- PaulBHartzog@PaulBHartzog.org
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Social

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- LinkedIn: <http://www.linkedin.com/in/paulbhartzog>
- Slideshare: <http://www.slideshare.net/paulbhartzog>
- YouTube: Paul B. Hartzog "Academic" (interviews and lectures): <http://www.youtube.com/channel/UCB6q2MO1d15LLNKasAl2fWg>

Code

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- GitHub: <http://github.com/paulbhartzog>