

From open source geo-tech consultant to PhD Candidate

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Purpose / Motivation

- Overview of a few Open Source Geospatial Tools
- My experiences between the public, private and academic worlds
- Descriptions of a few “cool” aid projects that I've been a part of
- Discuss the future of geo-technology



Background

- Bachelors of Arts (Geography) – University of British Columbia – 2002
- Advanced Diploma (Geographic Information Systems) – BCIT – 2004
- BCTransit – 2004
- Masters of Applied Science (Geomatics) – University of Melbourne – 2008
- Geospatial Software Developer / Analyst - CH2M Hill – 2007-2009
- Consultant – BCTransit - 2009
- Geospatial Technologist / Developer - Spatial Development International
2009 – Present
- Started PhD – University of California, Santa Barbara - 2010

Open Source Geo



PostgreSQL



MapBox
Maps to go.



Powered by
**Map
Server**

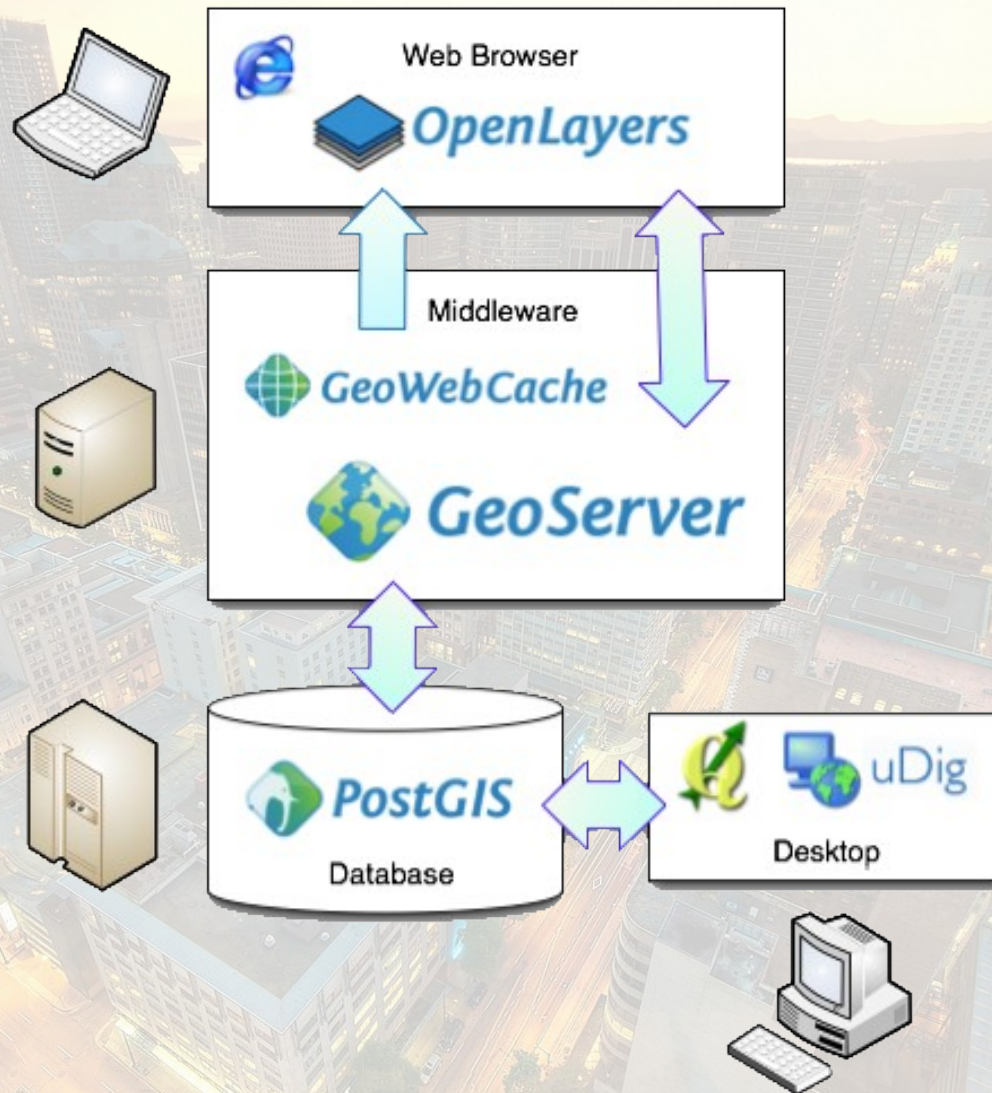
 **OPENGEO**
a division of OpenPlans

What is Open Source?

An approach to the design, development, and distribution of software, offering practical accessibility to a software's source code.



A Typical Stack



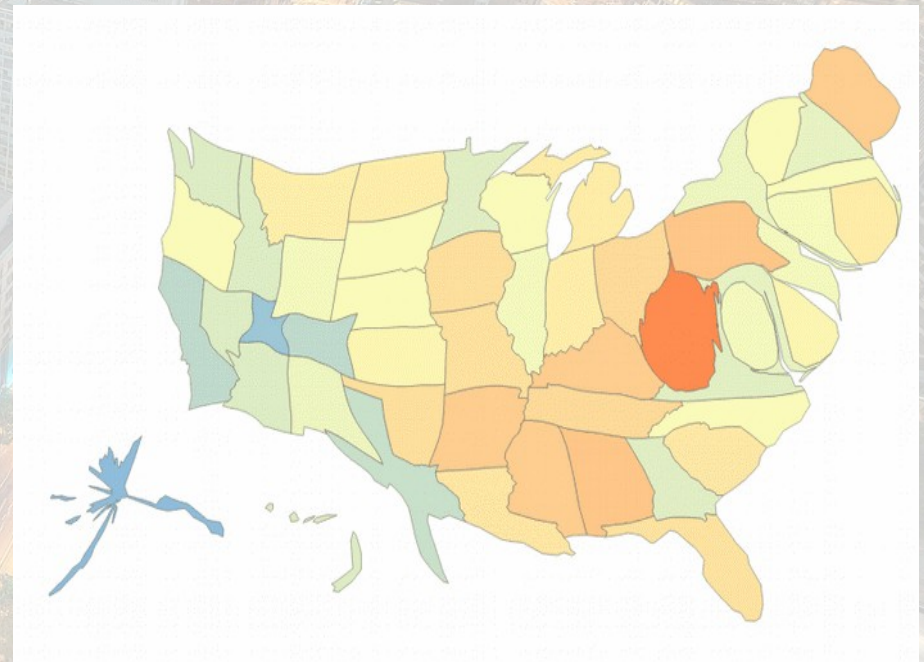
Current Toolsets

Standard Toolset:

- PostgreSQL / PostGIS
- GeoServer / MapServer
- Leaflet / OpenLayers
- GeoNetwork
- QGIS / uDig
- GDAL / OGR

Bleeding Edge:

- d3
- TopoJSON
- GeoCouch



Hands on

Browser

