

# David Watson

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Created emerging technology playing advisor, coder, and founder building nimble environments from R&D labs to tech startups. Worked with interdisciplinary teams from two to two dozen artists, scientists, and philosophers scaling teams and sketches from prototypes into products and services.

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## Experience

**2023-present** *Technical Consultant (1099)* **WYVERN Ltd**

- Modernized legacy code, culture resulting in better sustainability

**2021** *Technical Consultant (1099)* **Caterpillar**

- Catalyzed terrain visualization code ported from Intel to Xilinx

**2020** *Senior Member of Technical Staff (W-2)* **Carnegie Mellon University**

- Researched and Developed AI, HPC, and HCI in SEI Emerging Technology group

**2018-2020** *Software Engineering Specialist (W-2)* **Caterpillar Autonomy Lab**

- Collaborated with IT executives to move data storage provisioning to cloud native

**2016-2018** *Senior Software Developer (W-2)* **RealPage**

- Transformed legacy crawler into modern cloud native data pipeline

**2015-2016** *VP Product Development (W-2)* **Wellbridge Health**

- Sunset MVP and built API and production deployment; MAYA built UX/UI

**2013-2014** *Senior Software Developer(W-2)* **Forever**

- Prototyped MVP solo; developed 1.0-2.0 production with team of 4;

**2011-2012** *Senior Engineer W-2)* **SMaSh**

- Built conversational text interfaces with a team of 2

**2010-2011 Software Development Manager(W-2) *Wellspring Worldwide***

- Led team to transform legacy deployment to automated CI/CD pipeline

**2009 Technical Consultant (1099) *TenthRow***

- Developed live music experience streaming to fans worldwide

**2008 Usability Consultant (1099) *MAYA Design***

- Provided design feedback to MAYA Design on usability of Bayer Diabetes Glycemic Monitor

**2008-2009 Project Engineer (W-2) *Applied Perception***

- Ported GUI to OCU; Coded sonar parser/visualization bridging sensors->UI

**2008 Technical Consultant (1099) *Zenit Solutions***

- Designed and implemented python system to track inbound/outbound movers

**2006-2007 UI Software Developer (W-2) *Nomos***

- Wrote QA tests for Corvus radiotherapy product; Designed and Prototyped 4D UI/UX

**2004-2006 Software Design Engineer (W-2) *MAYA Design***

- Built AJAX stack on Python and NoSQL DB; built predecessor to Phillips Hue C#.net

**2003-2004 Cofounder (W-2) *Cobind***

- Designed, built, and shipped the Cobind Desktop to test the DIY Linux build tools

## Education

- **Duquesne University**
  - **BS/BA** - Coursework included Business, Computer Science, and Music

## Continuing Education

- **Git Foundations Workshop**
  - Github
- **Massachusetts Institute of Technology (MIT)**
  - (CE) RDBMS and Internet Application Programming
- **Programming Arduino *Physical Pixels***
  - Hack PGH

# Awards

- **Idea Foundry**
  - **Transformation Fellowship**
- **InfoWorld**
  - **Top 100 Award**