# 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.

## Experience

**2023-present** *Technical Consultant (1099)* [***WYVERN Ltd***](https://www.wyvernltd.com)

* Modernized legacy code, culture resulting in better sustainability

**2021** *Technical Consultant (1099)* [***Caterpillar***](https://builtin.com/brand-studio/caterpillar-autonomous-intelligent-machinery-is-here-and-now)

* 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](https://www.ideafoundry.org/about#:~:text=Our%20initial%20program%2C%20The%20Transformational%20Fellowship%2C%20has%20evolved%20into%20our%20Impact%20Innovation%20Program%20and%20its%20portfolio%20has%20grown%20and%20created%20impact%20throughout%20the%20world.)
* **InfoWorld**
  + [Top 100 Award](https://books.google.com/books?id=oDYEAAAAMBAJ&lpg=PA20&vq=u-form&pg=PA20#v=onepage&q=u-form&f=false)