

David Watson

Pittsburgh, PA | david@davidwatson.org | (412) 614-9301

Objective

To work in small teams with a software development lifecycle of learning by evolving prototypes into products.

Education

A believer in continuous learning, I've been the benefactor of academic friendships born at work.

- **Bachelor of Science/Duquesne University** with additional coursework in *Computer Science* and *Music*
- **Continued Learning/MIT: RDBMS and Internet Application Programming** (Greenspun/Stonebraker)

Awards

An award and a fellowship helped me pivot post-music school from education to engineering.

- **InfoWorld Top 100 Award** for **humanservices.net @ MAYA Design / DHS**
- **Transformation Fellowship** (for founding and launching **Cobind**) from **Idea Foundry**

Roles

A software generalist from whiteboard sketch to rapid prototype to repeatable deployment, I've worked from journeyman IT roles to product development and engineering leadership.

Reputation

Collaborators said, "An **amazing listener**, **collaborative employee**, and **excellent engineer** who cares about the users of systems he's building, thinks creatively and critically, and sees the bigger technological picture."

Knowledge

- IT Software Development Life Cycle: Estimation, Planning, Provisioning, Deployment, Rollback
- Rapid Prototyping: Ideation to napkin sketch to running code in days instead of weeks or months
- Technology Product Design and Deployment: Commercial, Desktop, Mobile, Cloud Native, SaaS
- Full Stack Software Development: API to HCI: Functional, OO, ORM, Django, Flask, Rails, Qt, REST
- Human Skills: Agile, Critical Thinking, Design Thinking, Feedback, Interviewing, Mentoring, Code Review

Experience

- 2020-2024 **Freelance Technical Consultant** Working on concepts and contracts with friends
- 2020-2020 **Carnegie Mellon University Senior Member of Technical Staff** - AI, HCI, HPC, Intel, NREC
- 2018-2020 **Caterpillar Software Engineering Specialist** - Drove Cloud Native Deployment Software
- 2016-2018 **RealPage Senior Software Developer** - Prototyped Cloud Native Web Crawler Software
- 2015-2016 **Wellbridge VP Product Development** - Containerized Wearable Data Platform
- 2014-2014 **Hire an Esquire VP Engineering** - Led engineering team to redesign and simplify MVP
- 2013-2014 **Forever Senior Software Developer** - Built forever.com from Cloud Components
- 2011-2012 **SMaSh Senior Engineer** - Created and Supported Conversational SMS Text systems
- 2010-2011 **Wellspring Worldwide Software Development Manager** - Led datacenter to CI/CD effort
- 2008-2009 **Qinetiq Project Engineer** - Developed MedEvac robotics UI/UX and Sonar Visualization
- 2006-2007 **Best Medical UI Software Developer** - Designed, tested, documented oncology software
- 2004-2006 **MAYA Design Software Design Engineer** - Developed D&D GUI, AJAX NoSQL REST
- 2003-2004 **Cobind Desktop Cofounder** - Built custom Linux distributions on the web