

Shawn F. Murphy

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Profile:



see [full CV](#)

Shawn Murphy is a visionary, innovative and goal-surpassing FOUNDER, CEO, CTO & SOFTWARE ENGINEER with 30+ years of successfully spearheading the execution of organizational visions through bold and solutions-focused business strategies.

- **Software architect**, knowledge engineer, software **developer**, dev team leader, and trainer with vast experience designing and building large data-driven, scientific, academic, collaborative, e-commerce, visualization and publishing systems
- Highly proficient in diverse programming languages, knowledge representation technologies, frameworks, visualization tools, RDBMSes, ORMs, APIs, standards, methodologies and architectural styles
- Motivated by the observation that exponentiating technologies (A.I., computing, robotics, biosci) are dominating flatlining wisdom he has led research into solving the human-values alignment problem as a foundation for addressing AI alignment, democratic fragility, irreproducible science, fake news and other conundra
- A visionary leader striving to build out a global-scale knowledge management ecosystem wherein software, knowledge and presentation co-evolve under the pressure of human values and expertise – to technologically host and ground our collective cognition, so we can meet the challenges of our time

Professional Specialties:

Knowledge Representation & Graphs, Semantic Web, Distributed Systems, Collaborative Filtering, Agile, RDBMS, Electronic Data Interchange (EDI), ORM, Functional, OOP, Cognitive Computing, Dynamic Graphics, Pattern Languages, DevOps, FOSS, Data Context Interaction (DCI), Browser Extensions, Identity Management, NoSQL, Computer Supported Collaborative Work (CSCW), Capability-based security

Standards:

implemented: TMDM, OKBC, RETS, Digest Auth, RBAC, ANSI X12 EDI

Languages:

Python, Javascript, Coffeescript, Typescript, POSTSCRIPT, SQL, Rust, Bash, Java, C, AWK, ObjC, Scheme, Smalltalk, LISP, Nim, Guile, PAL, REXX, RPG/400

Formats:

HTML5, CSS, SVG, XML, DocBook, SGML, Markdown, ~~L~~^T_E^X, PDF, N3, TriG

Upper Ontologies:

RDF*, OWL, OKBC, TMAPI, CycL, WordNet, KQML, DAML

Systems:

Linux MacOS iOS Android Squeak Minix AS/400 OS/2 NeXTstep Windows AppleII

Industries:

Artificial Intelligence, Molecular Nanotechnology, Bioinformatics, Digital Humanities, B2B & B2C E-Commerce, Database Publishing, Recruiting Systems, Bibliographic Systems, Fleet Automation & Tracking, Supply Chain Automation, Real Estate, Laboratory Information Management (LIMS), Learning Management

Experience

2015 to present	Founder & CEO	Nooron Collaboratory Inc/UG
Led 7 staff performing e-commerce consulting and doing R&D on collective cognition		
2013 to 2014	Fullstack Software Engineer	Connectifier
Fullstack engineer at Thiel-funded SoCal tech recruiting startup acquired by LinkedIn		
2013 to 2014	Architect & Programmer	The Orlando Project
Built dynamic visualization / semantic collaboration tools for academia		
2011 to 2014	Founder, CTO, Architect	Semandra, Inc.
Built cognitive, semantic, fleet management & e-commerce SaaS		
2002 to 2011	Principal	smurp.com
Built cognitive, real estate, knowledge graph, collaboration & publishing systems		
1995 to 2003	Founder, Chair, VP R&D	Emergence by Design
Led 15 staff building e-commerce, academic, real estate, recruiting, legal & other SaaS		
1990 to 1995	Principal	Sapient Systems
Built FastEDI (B2B e-commerce), edu assessment tool, Real Estate tech		
1990 to 1992	Founder & Director	TechnoWatch Society
Led existential risk research & think-tank addressing AI & Nanotech hazards		
1989 to 1995	Systems Analyst I, II & III	Gov't of Alberta
Led 4 staff building biomedical LIMS; taught RDBMS skills		

Education

International Baccalaureate @ Lester B. Pearson College; CompSci, Phil, Phys, Math(Hon)
2yrs @ University of Alberta; Digital Electronics Tech @ SIAST; Bootcamp @ NeXT