

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^AT_EX, 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 SAS

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 SAS

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