Shawn F. Murphy

Berlin & Saltspring	smurp.com	linkedin.com/in/smurp	sfm@smurp.com	+1.650.503.4034 +49.160.462.8556

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, *etc*

Formats:
HTML5, CSS, SVG, XML, DocBook, SGML, Markdown, LaTeX, PDF, N3, TriG, OrgMode

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, Abuse Detection

Experience

2015 to present	Founder & CEO		Nooron Collaboratory Inc/UG

Led 7 staff performing e-commerce consulting and collective cognition R&D

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
Led team building academic dynamic visualization / semantic collaboration system

2011 to 2014   Founder, CTO, Architect   Semandra, Inc.
Led cognitive, semantic, SalesForce, fleet management & e-commerce SaaS builds

2002 to 2011   Principal   smurp.com
Led cognitive, real estate, knowledge graph, collaboration & publishing builds

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, Biotech & Nanotech hazards

1989 to 1995   Systems Analyst I, II & III   Gov't of Alberta
Led 4 staff building biomedical LIMS, inventory & ordering; 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