Shawn F. Murphy

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Profile:	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, EDI, ORM, Functional, OOP, Cognitive Computing, Dynamic Graphics, DevOps, Pattern Languages, Data-Context-Interaction, Browser Extensions, Identity Management, NoSQL, DevOps, FOSS, Computer Supported Collaborative Work
Standards:	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
Formats:	HTML5, CSS, SVG, XML, DocBook, SGML, Markdown, LaTeX, 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, Bibliographic Systems, Digital Humanities, B2B & B2C E-Commerce, Database Publishing, Real Estate, Recruiting Systems, Fleet Automation & Tracking, Supply Chain Automation, Laboratory Information Management, 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 Pearson College; CompSci, Phil, Phys, Math(Hon)
	2yrs @ University of Alberta; Digital Electronics Tech @ SIAST; Bootcamp @ NeXT