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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.

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, 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

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

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Languages: Python, Javascript, Coffeescript, Typescript, Postscript, SQL, Rust, Bash, Java, C, AWK, ObjC, Scheme, Smalltalk, LISP, Nim

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Formats: HTML5, CSS, SVG, XML, DocBook, SGML, Markdown, L^AT_EX, N3, TriG

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Upper Ontologies: RDF*, OWL, OKBC, TMAPI, CycL, WordNet, KQML, DAML

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

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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

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Experience	2015 to present	Founder & CEO	Nooron Collaboratory Inc/UG
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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
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Built dynamic visualization / semantic collaboration tools for academia

2011 to 2014	Founder, CTO, Architect	Semandra, Inc.
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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
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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
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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

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