

# Shawn F. Murphy

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## Profile:



Shawn Murphy is a visionary, innovative and goal-surpassing FOUNDER, CEO and CTO with 30+ years of successfully spearheading the execution of organization 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, L<sup>A</sup>T<sub>E</sub>X, 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	<a href="#">Nooron Collaboratory Inc/UG</a>
2013 to 2014	Fullstack Software Engineer	<a href="#">Connectifier</a>
2013 to 2014	Architect & Programmer	<a href="#">The Orlando Project</a>
2011 to 2014	Founder, CTO, Architect	<a href="#">Semandra, Inc.</a>
2002 to 2011	Principal	<a href="#">smurp.com</a>
1995 to 2003	Founder, Chair, VP R&D	<a href="#">Emergence by Design</a>
1989 to 1995	Systems Analyst I, II & III	Gov't of Alberta
1990 to 1995	Principal	Sapient Systems
1990 to 1992	Founder & Director	TechnoWatch Society