Sean Carpenter

Head of AI and Innovation

(484) 995-2329 | sean@seancarpenter.us | Elkton, FL

EXPERIENCE

Ennov, Inc.

Head of AI and Innovation

Now

September 2026 – current

- Founded Ennov's AI and Innovation Hub to drive AI adoption and empower departments company-wide.
- Established the AI Steering Committee with the CEO and CPO to evaluate and approve major AI proofs of concept.
- Defined Ennov's AI governance model and authored its company-wide AI usage policy and AI roadmap.
- Building a cross-functional network of AI champions to identify and execute departmental AI use cases.

Director of Product

2026

2021 – 2026

- Co-designed, configured, and released multiple versions of the Ennov Regulatory Information Management (RIM) Core Model.
- Designed, built, and released the Medical Device RIM Core Model.
- Rebuilt the Dossier Import feature using Angular and new REST API endpoints as a proof of concept using AI-assisted development.

2025

- Designed and developed an XML generator for standardized regulatory messages, including submissions to EUDAMED, the European database on medical devices.
- Defined and built a regulatory correspondence responder and a library of AI agent skills for regulatory and quality workflows; seven skills were published for customer use on the Ennov AI Platform.

Product Specialist

2021

2018 – 2021

- Developed and delivered internal and customer training on regulatory processes and Ennov software
- Mentored the U.S. services team on professional and Ennov-specific areas.
- Supported sales through client presentations and product demonstrations.

- Led a team that designed, configured, and deployed a RIM system for a top-25 pharmaceutical company.
- Led business requirements, system configuration, and data migration workstreams.

DXC Technology

Product Manager, FirstDoc

2018

2017 – 2018

- Set the product vision, roadmap, financial targets, and sales strategy for FirstDoc, a Documentum-based document management system for life sciences, and led product development.
- Served as Product Owner for the DXC Life Sciences Connected Platform and led its requirements team.

Business Specialist

2017

Computer Sciences Corporation (CSC)

2010 – 2017

- Served as the primary client contact for regulatory publishing and document management products, including eCTDXPress, Publisher, Writer, and FirstDoc.
- Led development of client-specific customizations for ISI Writer, a Microsoft Word–based suite of regulatory authoring templates.

2011

Image Solutions, Inc. (ISI)

Director of IT

2010

2005 – 2010

- Designed, developed and sold an industry-unique Word-based tool that turned labeling documents into FDA-compliant SPL (XML).
- Ran IT infrastructure and publishing tools for a 20-person outsourced regulatory company.

2005

Apyx, Inc.

Accenture

Consultant

2005

1998 – 2005

Developed, released and supported a tool for creating structured contracts using Powerbuilder and Oracle.

Led Tier 2 and then Tier 3 support teams for AstraZeneca’s pharmaceutical sales force.

1998

Andersen Consulting

Provided Tier 1 support for Astra-Merck’s sales force.

RECENT PROJECTS

Ennov

Dossier Import

A proof of concept which rebuilt Ennov’s legacy Import Dossier screen end to end: a new Angular interface on the versioned REST API, chunked upload for large eCTD files (a new concept for the entire platform), and import or registration straight from the repository. It established the model for AI-driven development across the product team.

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GitHub
Python/PHP

Florida Bill Alert

github.com/mydataismydata/Florida-bill-alert

A free, open-source tracker for the Florida Legislature. Each night it collects newly filed bills, using GLM 5.3 to write plain-English summaries and key provisions, then emails subscribers.

GitHub
TypeScript/PostgreSQL

PAC Tracker

A database of Florida campaign finance filings: more than 6 million transactions and $4.88 billion from state, county, IRS and FEC sources. Its public “Know Your Mailer” tool traces the committee named on a political mailer back through committee-to-committee transfers to the real donors, and maps the officer networks that control hundreds of PACs.

Web
JavaScript/Python

Museum of Western Art Online

An online, walkable museum of seminal Western paintings: 967 works by 117 painters, from da Vinci through Vermeer, Turner and Monet to Hopper and Andrew Wyeth. Visitors walk the galleries room by room, or browse by artist, period and collection and explore the connections between painters.

GitHub
Python/JavaScript

Solar Pi

A privacy-first, self-hosted dashboard for a hybrid solar inverter and battery bank, running on a Raspberry Pi Zero 2 W. It polls live telemetry, stores the history, and serves live and historical charts, CSV export, offline HTML snapshots and a command-line view on the local network.

EDUCATION

B.S. Mathematics Penn State University, State College, PA

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