

## About

Dr. Dennis is an experienced leader, hands-on architect, published author, and educator with excellent problem-solving, communication, and technical skills. He bridges the gap between academic research and industry demands with over twenty years of practitioner experience. Experience building solutions with various tools and languages.

## Education

### Doctor of Computer Science – Big Data

Colorado Technical University  
2016 - 2019

### Master of Science—Computer Science – AI

West Virginia University  
1993 - 995

### Bachelor of Science Business Admin.

West Virginia University - Parkersburg  
1990 - 1993

## Soft Skills

- Exceptional problem-solving skills
- Excellent communication skills
- Innovator and visionary
- Ability to collaborate effectively
- Team player and lead by example
- Mentor and assist team members
- Create training materials and courses

## Technical Skills

- Mastery of multiple programming languages (C#, Python, SQL, C/C++)
- Experience with creating UI, API, and database layers
- Experience with Multiple Frameworks (Entity Framework, ASP.NET)
- Experience creating enterprise applications
- Ability to learn and be productive very quickly
- Deep knowledge of concurrency and orchestration

## Experience

### Optra Data Accelerator Product Owner and Architect

*Lexmark / Remote / Nov 2021 - Present*

- Product owner of the Optra Data Accelerator, a Databricks Lakehouse Accelerator enabling metadata-driven Big Data ingestion and refinement.
- Responsible for the product's initial proposal, vision, scope, architecture, design, construction, and evangelism.

### Instructor/Professor Various Schools

*University of the Cumberland, Rasmussen University, Colorado Technical University, Grand Canyon University, Palm Beach Atlantic University*  
2019 - Present

- Design and deliver instructional content. Grade, facilitate, and mentor

### Data and AI Architect and Various Roles

*Avanade / Remote / Nov 2007 - Nov 2021 (6-month break)*

- Supported customers' journey to a data driven organization to realize greater business value.
- Assisted in sales pursuit, proof of value and concept, implementation, assisting with projects in recovery.

### Various Consulting and IT Roles

*Match.com, Immedient, MicroStrategy, EasyNetLearning.com, RDA Consultants, TASC, American Management Systems*  
May 1995 - Nov 2007

## Major Projects

- Optra Data Accelerator (C#, PySpark, SQL, EF6, Web API, ADF, Databricks)
- Data-driven ingestion and refinement (Databricks, PySpark, SQL)
- PLC diagnostic bot (C#, Neo4J, ASP.NET Web API, Microsoft Bot Framework)
- Psychological compatibility test (C#, Flash, SQL Server)
- Voice to Text using base frameworks (Python, TensorFlow, various tools)
- Creation of a data ecosystem for a large manufacture (Databricks, Python)
- Support and development of hosted CRM solution
- Creation of an Online Typing Tutor (Flash, C#, Java, HTML)