Core Competencies

Full-stack Software Development

- Create complex SQL queries, write data, table and index management statements
- Expertise in multiple programming languages: Python, C/C++, C#, Perl, Java, PHP, PowerShell, Bash, Matlab, Mathematica, Lisp, Fortran, for a variety of operating systems, including mobile
- Develop Docker images and virtual machines tailored to individual system requirements, ensuring efficiency and scalability
- Securely configure and integrate web applications and databases using industry-standard best practices
- Design intuitive UX/UI using JavaScript, TypeScript, and React, providing user-friendly experiences across various platforms

Data Science and Machine Learning Services

- Dashboards that refine key performance indicators and provide business insights
- Machine Learning pipelines that automate decision making and prediction
- Image Classification and image metric estimation using neural networks
- Configuring open source Large Language Models (LLMs) for bot design and data summary

Course Development and Physics Modeling

- Design custom online courses with tutorials, assignments, and quizzes on technical topics, leveraging the Moodle Learning Management System
- Provide engaging and effective learning experiences tailored to diverse needs and skill levels
- Utilize advanced tools and techniques to simulate complex phenomena such as satellite orbits and radar imaging
- Develop simulations for visualizing site development, geographical, or other civil/political requirements, delivering valuable insights and decision support

Company Data

Small business headquartered in Berkeley Springs, WV since 2024

Service-Disabled Veteran Owned Small Business Certified by the Depart of Veterans Affairs

CAGE Code: 9VCR7
UEI: H7C2GBUUH8V9

NAICS: 541715, 541990, 541611, 541720, 541690, 541512, 541219, 541519, 541614, 541330, 518210, 541910, and 541511

PSC: DB02, 7C21, 7B21, 7J20, 7B20, 7D20, 7A21, 7B22, DH10, DK10, 7H20, DA10, 7C20, DB10, DJ10, 7A20, DA01, and DJ01

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