

ZAY'VEON HILL

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PROFESSIONAL SUMMARY

Information Systems Specialist and emerging AI/ML Engineer with experience supporting enterprise architecture, system integration, and supply chain operations at a DOE/NNSA federal contractor site. Led a cross functional team delivering production AI tools that transformed procurement and contracting workflows at a federal nuclear site. Proven ability to align technology infrastructure with organizational strategy across complex, multi system environments including ERP platforms (SAP, PeopleSoft), analytics tools (OAS, Power BI), and custom site built solutions. Currently building production grade AI applications leveraging RAG pipelines, FAISS vector databases, and large language model APIs. Pursuing roles in AI/ML Engineering, Enterprise Architecture, and Data Analytics with federal and defense oriented organizations.

PROFESSIONAL EXPERIENCE

Information Systems Specialist

July 2024 – Present

Savannah River Nuclear Solutions (SRNS) - DOE/NNSA Site

Aiken, SC

- Serve as enterprise systems liaison across supply chain, procurement, IT, and warehouse operations. I align business processes, data flows, and technology platforms including PeopleSoft, Oracle Analytics Server (OAS), and multiple site developed systems.
- Analyze supply chain and logistics data using OAS and Power BI to build dashboards and visualizations that surface KPIs, identify root causes, and drive data informed decision making for stakeholders.
- Support system updates and enhancements across enterprise platforms, coordinating with vendors and internal stakeholders to resolve issues and ensure seamless cross system operations.
- Manage technology infrastructure for a large scale federal site, including network configuration, device management, system access provisioning, and cross platform integration support.

EDUCATION

B.S. - Computer Science (Web Application Development minor)

May 2024

Coastal Carolina University | Gupta College of Science

Conway, SC

- Relevant Coursework: Software Engineering, Data Structures & Algorithms, Database System Design, Operating Systems, Linux Fundamentals, Information Systems Security, Web App Development.

MBA - Business Analytics & Supply chain and Operations Management

May 2026

Lander University

Greenwood, SC

- Relevant Coursework: Management Information Systems, Analytics & Big Data Management, Applied Corporate Finance, Supply Chain and Logistics, Business Leadership & Contemporary Issues.

KEY PROJECTS

AI Powered SOW Generator - SRNS (Cross Functional Team Lead)

- Led a cross functional team to design and deploy an AI tool that automates Statement of Work generation at a DOE/NNSA site. Customers answer a structured form; responses are routed via Microsoft Power Automate to an AI model that produces a fully formatted, site compliant SOW. This eliminates manual drafting and significantly reducing turnaround time.

AI Assisted Procurement & Auto-Sourcing Tool - SRNS (Cross Functional Team Lead)

- Led team to develop an AI powered purchasing assistant that searches historical requisitions for similar items, surfaces reusable attributes to buyers, and intelligently distinguishes between contract and non contract items to guide auto-sourcing decisions.

Warehouse Technology Modernization - SRNS

- Spearheaded full modernization of warehouse operations: provisioned and configured mobile devices, deployed printing infrastructure, and integrated field operations into enterprise systems, reducing manual processes and improving data accuracy.

Supply Chain Process Mapping & Improvement - SRNS

- Created comprehensive process maps documenting all layers of the supply chain business, from procurement to logistics, identifying misalignment between systems, redundant workflows, and automation opportunities.

AI RAG Document Assistant - In Progress

- Engineering a full stack AI application that enables semantic search and conversational Q&A over uploaded PDF documents using a Retrieval Augmented Generation (RAG) pipeline.
- Backend built with Python FastAPI; integrates OpenAI API for LLM responses and Sentence Transformers for embedding generation; FAISS vector database for high speed semantic retrieval.
- Frontend built with React and Tailwind CSS, inspired by ChatGPT UI; includes persistent chat history via SQLite.

Other Skills

Scrum/Agile, VS Code, DevOps, REST API, Lean Principles, Jira, Power BI, Advanced Excel (PivotTables, Power Query), Statistical Analysis, Node.js