James Edward Tatman

Machine Learning & AI Specialist | Cloud & Infrastructure Architect

[LinkedIn] | [Portfolio] | [GitHub/HuggingFace] | [Email] | [Phone] (Available by request)

Professional Summary

Master's-educated AI/ML researcher and architect with 178+ published models (HuggingFace) and 20+ years of cross-disciplinary expertise in cloud, virtualization, and storage engineering. Proven ability to design scalable AI solutions (e.g., Agentic RAG, MCP/LangChain integrations) and optimize infrastructure (NetApp, AWS, Kubernetes). Combines technical depth with leadership in disaster recovery, DevOps, and systems architecture. Seasoned Unix engineer and architect.

Areas of Expertise

AI/ML: Model development (PyTorch, TensorFlow), RL, Bayesian analysis, time-series forecasting, edge AI deployment

Cloud/Infra: AWS/GCP/Azure/Oracle, Kubernetes, Docker, VMware, NetApp SAN/NAS, EMC

DevOps: Ansible, CI/CD pipelines, logging/alerting strategies, Python/Bash scripting

Systems: Linux (Ubuntu, RHEL), Windows, Solaris, AIX, HP-UX

Professional Experience

Technology Architect & Engineer | Tatman Technologies | Jan 2012 – Present

- Deliver AI/ML consulting for SMBs: train edge-optimized models, deploy time-series analytics, and design Agentic RAG workflows.

- Architect hybrid cloud storage (NetApp → AWS S3) and DevOps pipelines (logging/notification systems).

- Refactor Python scripts for critical infrastructure; optimize I/O performance in distributed systems.

Storage Engineer | Contracting for Odyssey Information Services | Dec 2010 – Jan 2012

- Managed 60+ NetApp/EMC arrays across dev/prod; designed multi-node Ops Manager monitoring.

- Led data migration/orchestration for Oracle/SQL/VMware workloads using Snap Manager.

Senior UNIX/Storage Engineer | Sun America (AIG) | Jul 2003 – Sep 2009

- Oversaw 9PB+ storage (NetApp/EMC DMX) and 250+ UNIX servers; standardized NetApp tools via Ops Manager.

- Pioneered disaster recovery templates for Unix and NetApp Storage, reducing recovery time by 40%.

IS Manager | Knowledge Kids Network (Knowledge Universe) | Aug 2000 – Jul 2003

- Directed IT operations (help desk, backups, asset management); migrated physical ISP infrastructure between data centers in <10 hours.

Education

- **MS in Machine Learning**, Colorado State University Global (2025)

- **BS in Computer Science & IT**, Colorado State University (2022)

- **OS Design**, Denver Institute of Technology (1999)

Technical Projects

- **HuggingFace Portfolio**: 178+ models, 100+ datasets (link).

- **Agentic AI Solutions**: Custom LangChain integrations for business intelligence, custom MCP servers for agentic collaboration.