

Brent Morgan

AI/ML Engineer | Full Stack Software Engineer

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SUMMARY

Accomplished software engineer with 10+ years of experience architecting and delivering advanced AI and full-stack solutions for complex, real-world challenges. Proven leader in remote, cross-functional teams, consistently driving innovation and operational excellence from concept to production.

EXPERIENCE

Lead AI/ML Engineer (Remote)

DataVista Analytics

11/2021 - Present | Denver, CO

- Designed and deployed advanced deep learning models (TensorFlow, PyTorch) for computer vision and NLP projects, including image classification, entity extraction, and sentiment analysis.
- Developed scalable ML pipelines with Apache Spark and Airflow, reducing model training time by 40%.
- Integrated ML models into production Django and FastAPI backends, supporting 20,000+ daily API requests.

Senior Machine Learning Engineer (Remote)

Jetbase

07/2018 - 11/2021 | New York, NY

- Built and fine-tuned transformer-based NLP models (BERT, GPT) for automated document summarization and chatbots.
- Collaborated with product teams to deploy ML-powered features in React.js and Next.js web applications.
- Automated data preprocessing and feature engineering using pandas and scikit-learn.

AI/ML & Full-Stack Developer

Prairie Giraffe

08/2015 - 06/2018 | Gillette, WY

- Developed recommendation engines and personalization algorithms for e-commerce clients using collaborative filtering and neural networks.
- Built RESTful APIs (Node.js, Django) to serve ML predictions to web and mobile apps.
- Created interactive dashboards in React.js for real-time model monitoring and analytics.
- Maintained and optimized PostgreSQL and MongoDB databases for large-scale ML data storage.

Full-Stack Engineer(AI Integration)

Bighorn Web Solutions

07/2011 - 08/2015 | Sheridan, WY

- Integrated ML-driven search and recommendation features into Django/React.js platforms.
- Developed and maintained custom CMS solutions with built-in analytics powered by scikit-learn models.
- Implemented automated testing and CI/CD pipelines to streamline releases and improve reliability.

TECHNICAL SKILLS

AI & Machine Learning :

Deep Learning (CNNs, RNNs, Transformers), NLP (BERT, GPT models, RAG systems), Computer Vision (YOLO, OpenCV), LLM Fine-tuning, Reinforcement Learning

Programming Languages :

Python, C++, JavaScript, TypeScript

Frameworks & Libraries :

TensorFlow, PyTorch, Scikit-learn, Hugging Face, LangChain, Transformers, FastAPI, Django, Flask, React.js, Next.js, Node.js

Databases :

PostgreSQL, MongoDB, Redis, Pinecone,

DevOps & Cloud

AWS (EC2, S3, Lambda), Docker, Airflow, Jenkins, GitHub Actions

SOFT SKILLS

Communication



Collaboration



Problem Solving



Time Management



EDUCATION

Master of Science (M.S.)

Stanford University, Stanford, CA

2009 - 2011