Brent Morgan

Full Stack AI/ML Engineer

@ developer@ridesurfing.com 📍 Sheridan, United States

SUMMARY

Full-Stack AI/ML Engineer with 8+ years of experience developing and deploying machine learning models within end-to-end web applications. Experienced in designing robust data pipelines, integrating AI systems into production environments, and delivering scalable, real-world solutions.

EXPERIENCE

Senior Full-Stack AI/ML Engineer

QuantumScale Technologies

📅 11/2023 - Present 📍 Remote (U.S.)

Builds scalable AI infrastructure and high-performance computing systems for enterprise ML applications.

- Leading the development of AI applications using LLMs and real-time data processing.
- Building full-stack AI systems, optimizing both model performance and cloud infrastructure.
- Driving innovation in AI SaaS solutions for large-scale deployment.

Full-Stack AI Engineer

CloudMind AI

📅 08/2020 - 10/2023 📍 Seattle, WA

Develops cloud-based AI solutions focused on NLP, conversational agents, and cognitive computing.

- Architected end-to-end AI platforms combining backend APIs and frontend interfaces.
- Implemented full MLOps pipelines, automating model training and deployment.
- Delivered cloud-optimized AI products serving multiple enterprise clients.

Senior AI/ML Engineer

VisionEdge Systems

📅 09/2018 - 08/2020 📍 New York, NY

Specializes in computer vision and real-time edge AI systems for various industries.

- Led projects in computer vision and real-time AI solutions.
- Designed and deployed scalable AI pipelines using FastAPI and Kubernetes.
- Mentored junior engineers and improved system performance for live AI applications.

Machine Learning Engineer

NexaTech AI Solutions

📅 07/2016 - 09/2018 📍 Austin, TX

Provides custom end-to-end AI solutions, from model development to full-stack application deployment.

- Developed NLP applications such as chatbots and document classifiers.
- Deployed ML models using Docker and AWS services.
- Collaborated with frontend teams to integrate AI features into web platforms.

TECHNICAL SKILLS

AI & Machine Learning :

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

Programming Languages :

Python, JavaScript, TypeScript, SQL, Rust

Frameworks & Libraries :

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

Cloud & MLOps :

AWS (SageMaker, Lambda, EC2, S3), GCP (Vertex AI), Docker, Kubernetes, CI/CD pipelines, MLflow, Airflow

Databases :

PostgreSQL, MongoDB, Redis, Pinecone, BigQuery

DevOps & Infrastructure :

Terraform, Kubernetes, Docker Compose, Nginx, GitOps practices

PERSONAL PROJECTS

AI-Powered PDF Q&A Chatbot

- Full-stack RAG chatbot using LangChain, Hugging Face models, OCR, PDF parsing
- Backend: FastAPI │ Frontend: Next.js │ Vector DB: FAISS │ Model: OpenAI/GPT-4
- Enabled contextual document-based Q&A over 1000+ files

End-to-End Sentiment Analyzer Platform

- Trained LSTM & Transformer models in PyTorch and served via Django
- Developed React dashboard for real-time analysis across multiple platforms
- Integrated with Twitter API and W&B for tracking

EDUCATION

Master of Science

Stanford University

📅 2014 - 2016 📍 Stanford, CA, United States

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