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Serhei Vakynenko

Team Lead AI Engineer

SUMMARY

Software engineer with over 8 years of experience, including 5+ years specialized in AI. Proven track record in leading AI strategy, implementing machine learning models, and training teams on AI tool usage. Expertise in Python and various ML libraries (e.g., TensorFlow, PyTorch), as well as in CI/CD, virtualization, and API development. Adept in managing cloud infrastructures (AWS, Azure) and ensuring system performance and efficiency. Holds a Master's in Project Management, indicating a strong foundation in leading complex technical initiatives.

SKILLS

Main Technical Skills	NLP, AI, Data Lake, Microsoft Azure API
AI & Machine Learning	AWS SageMaker (Amazon SageMaker), BERT, Kubeflow, LLaMA, Mlflow, OpenCV, PyTorch, Scikit-learn, TensorFlow, Whisper
Python Frameworks	FastAPI
JavaScript Libraries and Tools	Immutable.js
Python Libraries and Tools	PyTorch, Scikit-learn, TensorFlow
Data Analysis and Visualization Technologies	k-NN
Databases & Management Systems / ORM	Data Lake, Microsoft Azure SQL Server
Cloud Platforms, Services & Computing	AWS, Azure, Azure ML
Azure Cloud Services	AKS, Azure, Azure Blob Storage, Azure DevOps, Azure Monitor, Microsoft Azure API, Microsoft Azure SQL Server
Amazon Web Services	AWS Bedrock, AWS CDK, AWS Cloudformation, AWS CloudWatch, AWS Elastic Kubernetes Service (EKS), AWS Lambda, AWS S3, AWS SageMaker (Amazon SageMaker)
Logging and Monitoring	Azure Monitor, Prometheus



Virtualization, Containers and Orchestration	Docker
SDK / API and Integrations	FastAPI, Microsoft Azure API
Version Control	Github Actions
Deployment, CI/CD & Administration	GitLab CI, Helm, Kubernetes
Message/Queue/Task Brokers	Kafka
Other Technical Skills	Amazon Machine learning services, AWS ML, AWS SageMaker, Enterprise Resource Planning, ERP, Google PageSpeed Insights, GPT, Hugging Face, LangChain, LlamaIndex, Palm OS, Pinecone, Qdrant, RDS, Weaviate

WORK EXPERIENCE

Team Lead AI Engineer, AI Strategy and Document Workflow Automation

Duration: 03/2021 to 01/2025

Summary: Developed AI strategy and automation processes for document workflow, trained employees on AI solutions and maintained AI system performance.

Responsibilities: Managing AI strategy and implementation, auditing processes, training employees, monitoring AI system performance, managing budget for AI tools and development resources.

Technologies: Not specified in the resume

Machine Learning Engineer, Company-Wide AI Solutions Integration

Duration: 08/2015 to 02/2021

Summary: Integrated AI solutions across departments, implemented cloud-based machine learning platforms for data analysis and predictive modeling to improve customer service.

Responsibilities: Leading AI solutions integration, selecting and implementing cloud-based platforms, automating data analysis, building predictive models, researching new AI tools, collaborating with IT, developing AI project ROI reports.

Technologies: Python, AWS, Azure, Machine learning libraries (DeepSpeed, TensorFlow, PyTorch, Scikit-learn, OpenCV), Databases (AWS RDS, Azure SQL, AWS S3, Azure Blob Storage), API (FastAPI, AWS SageMaker Endpoints, Azure Machine Learning Endpoints), Machine learning models (GPT-2, LLaMA, LLaMA-2, PaLM 2, Stable Diffusion, BERT, Whisper), Model serving (AWS SageMaker, TensorFlow, KubeFlow), Monitoring (Prometheus, Grafana, MLFlow, AWS CloudWatch, Azure Monitor)

DevOps Engineer, AI Infrastructure and Operations Management

Duration: 11/2013 to 07/2015

Summary: Engaged in DevOps activities for an AI-focused company, ensuring system



availability, monitoring solutions, database and laptops administration, and technical documentation.

Responsibilities: Handling infrastructure, monitoring solutions, on-call shifts, database administration, office laptops administration, writing technical documentation.

Technologies: Virtualization (Kubernetes, Docker), CI/CD (Helm, GitHub Actions, GitLab CI/CD, AWS CDK, CloudFormation, Azure DevOps, Azure Resource Manager), Database Management, Monitoring (Prometheus, Grafana)

EDUCATION

- **Project Management Master's**
Ukrainian national university
Not Provided

