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Architect Specialist for AI Infrastructure and GPU Workloads

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Company: Oracle

Location: Belgium

Category: computer-and-mathematical

You and Oracle

Architect Specialist for AI Infrastructure and GPU Workloads – with FSI, Healthcare, Government or high-tech/start-ups focus

Oracle is a leader in cloud computing worldwide, with over 130,000 employees. We offer pioneering AI infrastructure that helps businesses with advanced artificial intelligence and machine learning. From powerful GPU instances to specialized AI hardware, Oracle's infrastructure supports different AI tasks, ensuring top-notch performance and scalability.

Overview: We are seeking a highly skilled and motivated technical specialist to join our team, specializing in AI infrastructure and GPU workloads, with a dedicated focus on one of the sectors, such as FSI, Healthcare, Governments or high-tech/start-ups, to drive adoption of the Oracle cloud. The ideal candidate will have a strong background in cloud computing, GPU architectures, and AI technologies, along with a passion for innovation and problem-solving.

What You'll Do :

Design, deploy, and optimize AI infrastructure solutions in the Oracle Cloud, focusing on GPU-accelerated workloads while incorporating relevant partner & open-source solutions popular in one of the sectors, such as FSI, Healthcare, Governments or high-tech/start-ups

Collaborate with multi-functional technical teams to design scalable and efficient architectures for AI/ML

Provide technical expertise and support for GPU-based solutions, including performance tuning and benchmarking

Accelerate customer opportunities with new and existing customers through technical presentations, Proof of Concept (PoC), solution assistance. This involves driving value and innovation while focusing on sector-specific partner and open-source solutions

Research and evaluate emerging technologies and standard processes in AI infrastructure and GPU computing to drive continuous improvement.

Create eloquent and compelling written assets proficiently, encompassing both external publications and internal documentation, particularly focusing on our open-source and partner solutions, benchmarks, and standard processes for running AI workloads on Oracle Cloud.

Required Skills/Experience

What You'll Bring:

8+ years of Solution Engineering experience with a Bachelor's or higher degree in Computer Science, Engineering, or related field.

Proven experience in designing, implementing, and optimizing AI infrastructure solutions in cloud environments, with a focus on GPU workloads in one of the sectors mentioned above.

Advanced practical knowledge of Networking, Data Center topologies, routing and switching protocols, and Ethernet/InfiniBand

System level understanding of server architecture, PCIe devices, NICs, Linux OS, and kernel drivers. Experience with DevOps/MLOps technologies like Docker/containers, Kubernetes, data center compute/network/storage deployments.

Proficiency in cloud platforms such as Oracle Cloud, AWS, Azure, or Google Cloud Platform, including services relevant to AI and GPU computing.

Strong understanding of GPU architecture, CUDA programming, and parallel computing principles. Familiarity with AI frameworks and libraries (., TensorFlow, PyTorch, scikit-learn)

Experience in deploying AI models at scale, such as transformer-based NLP models, graph-based deep learning models, and/or geometric deep learning models.

Experience with deploying use cases such as computer vision, recommender systems, medical imaging, drug discovery, genomics, predictive analytics, financial modeling or HPC in GPU-accelerated cloud environments

Excellent problem-solving skills and the ability to solve sophisticated technical issues in cloud-based environments and effective communication skills with the ability to collaborate across teams and convey technical concepts to non-technical key-stakeholders.

Certifications in cloud computing (., Oracle Cloud Infrastructure Architect Associate, AWS Certified Solutions Architect, Azure Solutions Architect) and GPU computing (., VIDIA Certified Associate – AI in the Data Center) are a plus.

Background with open-source development with a Proficiency in systems engineering, coding (C/C++, Python, CUDA)

Hands-on experience with NVIDIA systems/SDKs (., Triton Inference Server), NVIDIA Networking technologies (., DPU, RoCE, InfiniBand), and/or AMD GPU solutions.

Relevant publication history and/or conference attendances. Occasional travel required for local on-site visits to customers and industry events.

What we'll offer you:

A competitive salary with exciting benefits

Flexible and remote working so you can do your best work

Learning and development opportunities to advance your career

An Employee Assistance Program to support your mental health

Employee resource groups that champion our diverse communities

Core benefits such as medical, life insurance, and access to retirement planning

An inclusive culture that celebrates what makes you unique.

Does this sound like you? If so, we hope to meet you!

Create the future with us. Apply now.

Visit /careers and search for Architect Specialist AI

At Oracle, we don't just respect differences—we celebrate them. We believe that innovation starts with inclusion and to create the future we need people with diverse backgrounds, perspectives, and abilities. That's why we're committed to creating a workplace where all kinds of people can do their best work. It's when everyone's voice is heard and valued that

we're inspired to go beyond what's been done before.

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