PLATINUM
TECHNOLOGIES
INSPIRED PEOPLE · CREATING SOLUTIONS · DELIVERING RESULTS

AI Engineer

Remote

Federal / Full-Time / Remote

Who we are!

Platinum Technologies is a Washington DC-based integrated solutions firm that specializes in Cybersecurity, Cloud and Digital Services to the Public Sector. Our team provides high-end, quality resources to help our Mission Partners realize their goals. If you are self-motivated, possess demonstrated learning agility, and are passionate about delivering high-quality work products – we want to hear from you.

We lead with technical expertise, but that is just the tip of the iceberg – the 'Why' matters. At Platinum, we don't hire people to do a job. We provide professional and leadership development to complement our self-motivated domain experts. Our teammates are dot-connecting leaders that operate in a mutually accountable environment to deliver thought leadership, expert technical analysis, and quality execution for our clients.

You.

Platinum Technologies is seeking a **AI Engineer** for our fast-growing company, The AI Engineer will be responsible for incubating software/data initiatives that drive growth and explore new markets for Federal Government Agencies.

We are looking for an experienced AI practitioner using data science, machine learning and AI technologies to help us drive innovation. Your focus is on Machine Learning, Natural Language Processing, Neural Networks, Large Language Models, Knowledge Graphs, and Multi-Modal Generative AI.

This role is remote.

What you get to do.

•Lead the design and implementation of cloud and cloud infrastructure solutions for AI that meet Government and internal requirements. Lead the design of on-premises infrastructure for AI solutions when applicable.

•Define architectural design decisions (including system behavioral design) affecting selection, design, and instantiation of infrastructure and environment to meet functional and nonfunctional architectural requirements for AI solutions.

•Analyze client requirements and emerging technology needs related to AI systems and architecture and support the development of cloud capabilities to meet these challenges through active participation in both client-facing and Research and Development efforts.

•Participate in design thinking or other solution-based methods to solve problems consisting of various qualitative activities that support the generation of insightful, human-centered and impactful design solutions.

•Lead architectural aspects of solution development through whiteboarding sessions with clients, partners, and coworkers.

•Communicate findings to diverse technical and non-technical stakeholders, including internal stakeholders, clients, and partners, and engage clients to distill complex technical language.

•Ensure infrastructure supports the solution life cycle, including continuous integration and deployment as applicable Ensure that solution infrastructure is scalable, reliable, and secure

•Evaluate new cloud technologies and common services and make recommendations for their use and applicability to AI solutions.

•Interface with industry, academia, and research centers to proactively identify emerging cloud technology and best practices that can be applied to client needs and to stay informed on new technology trends.

Required skills.

•B.S. in Computer Science, Electrical Engineering, Computer Engineering or equivalent experience.

•Active Public Trust

•5 years of experience in developing secure cloud solutions across major cloud service providers (AWS, MS Azure, Oracle and Google).

•5 years of experience with the features of modern Python and its effective use in solving real-world problems

- Direct experience with prompt engineering, fine tuning or custom modeling for text generation, advanced text summarization, multi-modal generative AI, or natural language to code translation.
- Proven knowledge of AI and NLP and data cleaning, preprocessing, and analysis using tools such as Github, Matplotlib, Pandas, Numpy, Sklearn, NLTK, PyTorch, Tensorflow, BERT, etc.
- Strong understanding of data structures, data modeling, and software architecture
- Experience with cloud services such as Azure, AWS, or GCP for securing and deploying ML models
- Knowledge of programming languages such as Python, R, or C#, with a focus on writing scalable code for AI/ML applications
- Experience with the best practices, principles, and patterns of AI infrastructure, development and design.
- Familiarity with containerization and orchestration technologies like Docker and Kubernetes
- Experience with architectures supporting full Software Development Life Cycle (SDLC) and/or Machine Learning Operations (MLOps)
- Strong experience with Infrastructure as Code.
- Familiarity with machine learning and generative AI, object-oriented programming languages, cybersecurity, and relational databases.
- Knowledge and experience working with federal compliance and guidance, such as FISMA, RMF, Federal Enterprise Architecture Framework, DoDAF, NIST Cybersecurity Framework, NIST 800 series, FedRAMP and cloud-based security controls.
- Knowledge of technology for implementing security controls, including access control, privileged access management, data security, network security, data loss prevention, cloud security, vulnerability management, configuration management, privacy, and audits.
- Strong oral and written communication skills, including client-facing discussions and presentations

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