About the job

At EY, you'll have the chance to build a career as unique as you are, with the global scale, support, inclusive culture and technology to become the best version of you. And we're counting on your unique voice and perspective to help EY become even better, too. Join us and build an exceptional experience for yourself, and a better working world for all.

Cloud AI Engineer

The opportunity

We are the only professional services organization who has a separate business dedicated exclusively to the financial services marketplace. Join Digital Engineering Team and you will work with multi-disciplinary teams from around the world to deliver a global perspective. Aligned to key industry groups including Asset management, Banking and Capital Markets, Insurance and Private Equity, Health, Government, Power and Utilities, we provide integrated advisory, assurance, tax, and transaction services. Through diverse experiences, world-class learning and individually tailored coaching you will experience ongoing professional development. That's how we develop outstanding leaders who team to deliver on our promises to all our stakeholders, and in so doing, play a critical role in building a better working world for our people, for our clients and for our communities. Sound interesting? Well, this is just the beginning. Because whenever you join, however long you stay, the exceptional EY experience lasts a lifetime.

We are looking for a talented and motivated AI Engineer to join our team and work alongside our AI Architect. The ideal candidate will have a strong background in AI/ML, data engineering, and cloud technologies, with a focus on AI & Generative AI (GenAI) technologies. You will be responsible for developing, deploying, and optimizing AI models and solutions, ensuring they meet the performance, scalability, and security requirements of our organization.

EY Digital Engineering is a unique, industry-focused business unit that provides a broad range of integrated services that leverage deep industry experience with strong functional capability and product knowledge. The Digital Engineering practice works with clients to analyse, formulate, design, mobilize and drive digital transformation initiatives. We advise clients on their most pressing digital challenges and opportunities surround business strategy, customer, growth, profit optimization, innovation, technology strategy, and digital

transformation. We also have a unique ability to help our clients translate strategy into actionable technical design, and transformation planning/mobilization. Through our unique combination of competencies and solutions, EY's DE team helps our clients sustain competitive advantage and profitability by developing strategies to stay ahead of the rapid pace of change and disruption and supporting the execution of complex transformations.

Your Key Responsibilities

- AI/ML Model Development

  - Develop and train machine learning models using frameworks such as Autogen, PydanticAI, Langchain, TensorFlow, PyTorch, Scikit-learn.

  - Leverage large language models (LLMs) and work on cloud LLM deployments.

  - Build AI agents and have a solid understanding of agentic frameworks.

  - Implement and fine-tune AI models for various business applications.

- AI/ML Deployment and Optimization

  - Deploy machine learning models on cloud platforms (e.g., AWS, Azure, GCP).

  - Optimize AI pipelines for both real-time and batch processing.

  - Understand concepts around model fine-tuning, distillation, and optimization.

  - Monitor and maintain the performance of deployed models, ensuring they meet business requirements.

- Cloud Integration

  - Integrate AI/ML models with existing cloud infrastructure.

  - Utilize cloud services (e.g., AWS SageMaker, Azure AI, GCP AI Hub) to manage AI workloads.

  - Ensure compliance with data privacy and security standards.

- Collaboration and Support

  - Work closely with the AI Architect to design scalable AI solutions.

  - Collaborate with cross-functional teams, including data scientists, engineers, and business stakeholders.

  - Provide technical support and troubleshooting for AI-related issues.

- Continuous Learning and Innovation

- Stay updated on the latest advancements in AI/ML technologies.

- Experiment with new AI tools and frameworks to enhance existing solutions.

- Contribute to the adoption of best practices for AI model lifecycle management.

Skills And Attributes For Success

- Proficiency in AI/ML frameworks such as Autogen, PydanticAI, Langchain, TensorFlow, PyTorch, Scikit-learn.

- Experience with cloud platforms: AWS, Azure, GCP.

- Understanding of data engineering, ETL pipelines, and big data tools (e.g., Apache Spark, Hadoop).

- Hands-on experience with containerization and orchestration tools (Docker, Kubernetes).

- Knowledge of DevOps practices for AI/ML (MLOps).

- Strong understanding of deep learning models, including DNN, LSTM, Transformers, RL, and GNN.

- Experience with Generative AI technologies, including LLMs, model fine-tuning, distillation, and optimization.

- Strong problem-solving and analytical skills.

- Excellent communication and teamwork abilities.

- Ability to work in a fast-paced, collaborative environment.

Preferred Qualifications:

- Certifications in cloud platforms (e.g., AWS Certified Solutions Architect, Azure AI Engineer) are a plus.

- Experience: At least 5+ years in AI-related roles

- Proven experience in developing and deploying AI solutions with Python, JavaScript

- Strong background in machine learning, deep learning, and data modelling.

- Experience in integrating AI models with cloud infrastructure.

- Agile Methodologies: Familiarity with Agile development practices and methodologies.

Education:

- Bachelor's or master's degree in computer science, Engineering, or a related field.

What We Offer

EY Global Delivery Services (GDS) is a dynamic and truly global delivery network. We work across six locations – Argentina, China, India, the Philippines, Poland and the UK – and with teams from all EY service lines, geographies and sectors, playing a vital role in the delivery of the EY growth strategy. From accountants to coders to advisory consultants, we offer a wide variety of fulfilling career opportunities that span all business disciplines. In GDS, you will collaborate with EY teams on exciting projects and work with well-known brands from across the globe. We'll introduce you to an ever-expanding ecosystem of people, learning, skills and insights that will stay with you throughout your career.

- Continuous learning: You'll develop the mindset and skills to navigate whatever comes next.

- Success as defined by you: We'll provide the tools and flexibility, so you can make a meaningful impact, your way.

- Transformative leadership: We'll give you the insights, coaching and confidence to be the leader the world needs.

- Diverse and inclusive culture: You'll be embraced for who you are and empowered to use your voice to help others find theirs.

EY | Building a better working world

EY exists to build a better working world, helping to create long-term value for clients, people and society and build trust in the capital markets.

Enabled by data and technology, diverse EY teams in over 150 countries provide trust through assurance and help clients grow, transform and operate.

Working across assurance, consulting, law, strategy, tax and transactions, EY teams ask better questions to find new answers for the complex issues facing our world today.