

## Job Title: Senior Machine Learning Engineer

**Overview:** We are seeking a highly skilled professional in artificial intelligence and data science to join our team as a Senior Machine Learning Engineer. In this role, you will be responsible for developing sophisticated algorithms to tackle complex problems and enhance technological solutions. You will leverage your deep knowledge in machine learning, natural language processing, and statistics, along with programming skills, to analyze large datasets and create predictive models and autonomous systems.

### Key Responsibilities:

- Design and develop advanced machine learning algorithms to solve complex problems.
- Utilize natural language processing techniques to extract insights from unstructured data.
- Analyze large datasets and develop predictive models to enhance technological solutions.
- Collaborate with cross-functional teams to implement machine learning solutions into production systems.
- Stay updated with the latest advancements in machine learning and data science to continually improve solutions.

### Requirements:

- 5+ years of experience in machine learning.
- 3+ years of hands-on experience with TensorFlow, Theano, and Torch 7.
- Proficiency in Hadoop for processing large datasets.
- Strong programming skills in Python.
- Experience with typed programming languages such as Scala, Java, Haskell, Erlang, OCaml, or Lisp is highly desirable.
- Solid understanding of statistics and probability theory.
- Excellent problem-solving skills and the ability to work in a fast-paced environment.
- Strong communication skills and ability to collaborate effectively with team members.

### Preferred Qualifications:

- Master's or Ph.D. in Computer Science, Engineering, Mathematics, or related field.
- Experience with deep learning frameworks like PyTorch or Keras.
- Knowledge of cloud platforms such as AWS, GCP, or Azure.
- Experience deploying machine learning models into production environments.
- Familiarity with big data technologies like Spark and Hive.

**How to Apply:** If you are a highly motivated individual with a passion for artificial intelligence and data science, and meet the requirements outlined above, we encourage you to apply by submitting your resume and a cover letter detailing your relevant experience and accomplishments.

NepOps is an equal opportunity employer and welcomes applications from all qualified individuals



## Job Title: Senior Generative AI Engineer

**Overview:** We are seeking a professional adept in creating AI systems that autonomously generate content such as text, images, and music to join our team as a Senior Generative AI Engineer. In this role, you will utilize deep learning and machine learning techniques to train AI models on large datasets, enabling these models to produce new, original content.

### Key Responsibilities:

- Design and develop AI systems capable of autonomously generating content across various domains such as text, images, and music.
- Utilize Python programming language and frameworks such as PyTorch, TensorFlow, and Keras for generative AI projects.
- Collaborate with cross-functional teams to deploy generative AI models into production environments on cloud platforms like AWS, GCP, or Azure.
- Implement and maintain version control using Git for efficient code management.
- Utilize expertise in generative models such as Generative Adversarial Networks (GANs) and Variational Autoencoders (VAEs) to create realistic and diverse content.
- Apply natural language processing (NLP) techniques and transformer models like GPT to generate high-quality textual content.
- Manage data pipelines including data pre-processing, augmentation, and synthetic data generation to train generative AI models.
- Optimize models and algorithms for efficiency, scalability, and performance.
- Stay updated with the latest advancements in generative AI research and techniques to drive innovation in content generation.

### Requirements:

- 5+ years of experience in Python programming.
- 3+ years of hands-on experience with PyTorch, TensorFlow, and Keras for AI projects.
- Proficiency in version control using Git.
- 3+ years of experience with cloud platforms such as AWS, GCP, or Azure.
- Expertise in generative models like GANs and VAEs.
- Experience with NLP techniques and transformer models like GPT for text generation.
- Knowledge of data management, pre-processing, and synthetic data generation techniques.

### Preferred Qualifications:

- Master's or Ph.D. in Computer Science, Engineering, Mathematics, or related field.
- Experience with other generative models and techniques.
- Familiarity with reinforcement learning for generative AI.
- Strong problem-solving skills and ability to work in a fast-paced environment.

**How to Apply:** If you are passionate about generative AI and have the required skills and experience outlined above, we encourage you to apply by submitting your resume and a cover letter highlighting your relevant experience and achievements.

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## Job Title: Senior Python Developer

**Overview:** We are seeking a professional specialized in the creation and maintenance of logical and functional components to join our team as a Senior Python Developer. In this role, you will be responsible for implementing business logic and data manipulation on the server side, adhering to design patterns, best practices, and infrastructure on the client side.

### Key Responsibilities:

- Design, develop, and maintain logical and functional components using Python.
- Implement business logic and data manipulation on the server side of applications.
- Adhere to design patterns, best practices, and infrastructure on the client side to ensure efficient and scalable solutions.
- Collaborate with cross-functional teams to design and develop microservices and Restful APIs.
- Utilize SQL and/or NoSQL databases for data storage and retrieval.
- Work with cloud platforms such as AWS or Azure for infrastructure and services required for application deployment and scalability.
- Manage version control using Git for efficient code management and collaboration.
- Participate in Agile development methodologies, including sprint planning, daily stand-ups, and retrospective meetings.

### Requirements:

- 5+ years of experience in Python programming.
- 3+ years of experience with SQL and/or NoSQL databases.
- 3+ years of experience with cloud platforms such as AWS or Azure.
- Proficiency in Git for version control and code management.
- 3+ years of experience in developing microservices and Restful APIs.
- Familiarity with Agile development methodologies.

### Preferred Qualifications:

- Bachelor's or Master's degree in Computer Science, Engineering, or related field.
- Experience with containerization technologies such as Docker.
- Knowledge of DevOps practices for continuous integration and deployment.
- Strong problem-solving skills and attention to detail.
- Ability to work effectively in a collaborative team environment.
- Excellent communication skills.

**How to Apply:** If you are a highly motivated individual with the required skills and experience outlined above, we encourage you to apply by submitting your resume and a cover letter detailing your relevant experience and accomplishments.

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**Job Title: Senior Frontend Developer**

**Overview:** We are seeking a professional focused on creating user interfaces for web applications to join our team as a Senior Frontend Developer. In this role, you will be responsible for ensuring optimal performance and user experience across various platforms.

**Key Responsibilities:**

- Design and develop user interfaces for web applications using HTML, CSS, JavaScript, and TypeScript.
- Implement frontend components using React or Angular frameworks.
- Collaborate with backend developers to integrate frontend interfaces with server-side functionalities.
- Ensure responsive and adaptive design for optimal performance across devices and screen sizes.
- Address cross-browser compatibility issues to ensure consistent user experience across different browsers.
- Implement web performance optimization techniques to enhance page load times and responsiveness.
- Apply UI/UX design principles to create intuitive and visually appealing interfaces.
- Conduct testing and debugging to identify and resolve issues in frontend code.
- Communicate effectively with cross-functional teams to gather requirements and provide technical guidance.
- Integrate with RESTful services and APIs to fetch and display dynamic content.

**Requirements:**

- 5+ years of experience in HTML, CSS, JavaScript, and TypeScript.
- 3+ years of experience with React or Angular frameworks.
- 3+ years of experience with cloud platforms such as AWS or Azure.
- Proficiency in Git for version control and code management.
- Understanding of responsive and adaptive design principles.
- Familiarity with cross-browser compatibility issues and solutions.
- Knowledge of web performance optimization techniques.
- Understanding of UI/UX design principles.
- Experience with testing and debugging frontend code.
- Knowledge of RESTful services and APIs.

**Preferred Qualifications:**

- Bachelor's or Master's degree in Computer Science, Engineering, or related field.
- Experience with other frontend frameworks such as Vue.js or Svelte.
- Familiarity with GraphQL for querying APIs.
- Experience with frontend build tools and package managers (Webpack, npm, etc.).
- Strong problem-solving skills and attention to detail.
- Excellent communication and collaboration skills.

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## Job Title: Senior Backend Developer

**Overview:** We are seeking a professional skilled in server-side web application logic and integration to join our team as a Senior Backend Developer. In this role, you will focus on writing clean and efficient code for various backend functions and databases.

### Key Responsibilities:

- Develop server-side web application logic using languages such as Java, Ruby, PHP, and Python.
- Implement backend functionalities and database interactions using HTML, JavaScript, and CSS.
- Utilize MySQL and MongoDB databases for data storage and retrieval.
- Develop server-side applications using Node.js and Django frameworks.
- Write SQL queries to perform data manipulation and retrieval tasks.
- Collaborate with frontend developers to integrate frontend interfaces with backend functionalities.
- Utilize cloud platforms such as AWS or Azure for backend infrastructure and services.
- Manage version control using Git for efficient code management and collaboration.
- Design and develop RESTful APIs for seamless integration with frontend and other systems.
- Ensure adherence to security practices to protect sensitive data and prevent vulnerabilities.
- Design and implement scalable systems to handle increasing workload and user base.
- Implement continuous integration and deployment (CI/CD) pipelines for automated testing and deployment.

### Requirements:

- 5+ years of experience in HTML, JavaScript, and CSS.
- 5+ years of experience with backend languages such as Java, Ruby, PHP, and Python.
- 5+ years of experience with MySQL and MongoDB databases.
- 3+ years of experience with Node.js and/or Django frameworks.
- Proficiency in writing SQL queries.
- 3+ years of experience with cloud platforms such as AWS or Azure.
- Proficiency in Git for version control and code management.
- Knowledge of RESTful API development and integration.
- Understanding of security practices for web applications.
- Ability to design and implement scalable systems.
- Experience with continuous integration and deployment (CI/CD).

### Preferred Qualifications:

- Bachelor's or Master's degree in Computer Science, Engineering, or related field.
- Experience with other backend frameworks and technologies.
- Familiarity with microservices architecture.
- Strong problem-solving skills and attention to detail.
- Excellent communication and collaboration skills.

**How to Apply:** If you are a highly motivated individual with the required skills and experience outlined above, we encourage you to apply by submitting your resume and a cover letter detailing your relevant experience and accomplishments.

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