



Backend Engineer – (Mid-Level / Senior)

<i>Date Posted:</i>	September 2024
<i>Job Title:</i>	Backend Engineer – (Mid-Level / Senior)
<i>Req Number:</i>	1000-505
<i>Location(s):</i>	Herndon, VA
<i>Position Type:</i>	Full-Time, W-2 Employment
<i>Salary Range:</i>	\$140,000 to \$210,000 per year depending on relevant professional skills and experience. Total compensation includes a competitive salary, cash and strategic incentives, professional development and comprehensive benefits.
<i>Experience:</i>	8+ years of relevant professional experience with Bachelor's, 6+ with Master's and 3+ with a PhD
<i>Education:</i>	Bachelor's or Master's degree in Computer Science, Information Systems, or related discipline
<i>Security:</i>	Current / active TS/SCI clearance with CI polygraph or willingness to take one. Background investigation required, including a minimum of a criminal and credit check as well as at least three professional references.

Role Overview:

Pelagic AI is seeking Backend Engineers of varying levels of experience to support the development, integration, and deployment of advanced intelligence capabilities into test and operational environments. You will be a member of a project team responsible for configuring and maintaining backend systems, integrating various tools, and updating core codebases. This role requires strong expertise in Java, GeoServer technologies, and experience with pipeline integration and deployment.

Principal Responsibilities:

- Lead and execute the migration and updating of codebases from Java 8 to Java 17, including extracting hardcoded properties for better flexibility
- Integrate and deploy backend pipelines, including Jenkins, across multiple environments
- Work with GeoServer to handle geospatial data and ensure proper backend functionality
- Collaborate with teams to optimize performance, maintain databases, and streamline backend infrastructure across different network environments
- Ensure smooth integration and communication between backend systems and other components within the operational infrastructure



Minimum Requirements:

- Must have a current/active TS/SCI and be willing and able to pass a CI polygraph
- Willingness to take a hands-on role in backend system integration, deployment, and maintenance
- Bachelor's degree in Computer Science, Information Systems, or related discipline (4 years of additional experience may be substituted for a degree)
- 7+ years of experience in backend engineering, with strong expertise in Java (particularly experience migrating from Java 8 to Java 17)
- Hands-on experience with pipeline integration and deployment using Jenkins
- Experience with GeoServer and geospatial data integration
- Familiarity with databases like PostgreSQL and MongoDB
- Experience working in an Agile environment
- Must be willing to work on-site

An Excellent Candidate for this position will meet most of the following experience requirements:

- Experience with NiFi configuration, workflow development, and deployment
- Experience with cloud infrastructures and integrating backend systems in hybrid cloud environments
- Proficiency in Python for scripting, data processing, and automation tasks
- Understanding of machine learning pipelines and their integration into backend systems
- Experience with Docker for containerization and deployment in multi-environment systems
- Ability to guide teams in adopting and optimizing backend technologies for large-scale operations

General personal traits we know will connect well with the team:

- Superior communication skills
- A positive, willing attitude
- An ability to think on your feet and solve problems quickly
- Adaptability to learn new methodologies and technologies
- Comfortable working in an agile team environment



- Technology and methodology agnostic, but accepts using tools needed for the requirement
- Enjoys coaching and teaching

About Pelagic AI

Pelagic AI is AI Solutions delivered: from tech road maps to custom software. Pelagic AI was founded by industry visionaries, each boasting decades of experience in the AI landscape. Our roots trace back to the early days of data mining, and our journey has encompassed pioneering work in modeling and simulation, algorithmic development, data science, machine learning, and generative AI. With a collective wealth of knowledge and a commitment to innovation, our team has shaped the evolution of AI across various domains. Pelagic AI embodies this rich heritage, offering cutting-edge solutions driven by the deep expertise of its founders, ensuring that we remain at the forefront of AI advancements. Join our team using data to optimize environments and future-proof businesses. Our team has worked in the AI/ML sector for nearly 20 years. We represent true expertise in the field with operations and engagements for several Fortune 500 companies. Join us as we bring our client's teams to the next level!

Summary of Benefits

We expect each member of our team to fully engage creatively and work collaboratively and perform each day to the best of their ability. To support this, we have created a benefit package focused on professional growth, achieving a healthy work-life balance, and participation in the long-term success of the company. Our benefits include: generous paid time-off; an Employee Incentive Program (EIP); Internal Investment Projects (IIP), and other professional development activities; performance incentives that include spot bonuses and recruiting bonuses. Our plan is comprised of a 401k: 3% up front non-discretionary safe harbor contribution, 3% matched contribution (1:1 up to 3%), then discretionary profit sharing based on company annual performance; Medical/Dental/Vision coverage; Flexible Spending Account, Dependent Care Flexible Spending Account, Long & Short-term Disability; AD&D insurance; and Term Life Insurance. Each team member is also provided a benefits addendum that are added benefits tailored to your role to help you be more successful on day one.

Apply Now! Send your resume to: jobs@pelagicai.com