Senior Staff Backend Software Development Engineer – (Senior / Expert)

Date Posted:	September 2024
Job Title:	Senior Staff Backend Software Development Engineer – (Senior / Expert)
Req Number:	1000-705
Location(s):	Herndon, VA
Position Type:	Full-Time, W-2 Employment
Salary Range:	$170,000 to $250,000 per year depending on relevant professional skills and experience. Total compensation includes a competitive salary, cash and strategic incentives, professional development and comprehensive benefits.
Experience:	15+ years of relevant professional experience with Bachelor's, 8+ with Master's and 5+ with a PhD
Education:	Bachelor's or Master's degree in Computer Science, Information Systems, Engineering, or related discipline
Security:	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 a Senior Staff Backend Software Development Engineer to join a critical intelligence program. In this role, you will support the development and integration of various intelligence capabilities into a test and subsequently operational environment. You will be responsible for maintaining and improving the high-side automated deployment pipeline, ensuring that developers are not blocked by issues in the deployment process and participating in building solutions for mission applications systems. This position will require collaboration across multiple teams and a focus on optimizing performance and reliability.

Principal Responsibilities:

- Create, maintain and improve the high-side automated deployment pipeline, ensuring Jenkins jobs for backend services and front-end applications are successful and up to date.

- Create and manage Jenkins jobs for UI applications to ensure successful code builds.

- Enhance the pipeline to prevent the deployment of broken configurations in YAML or JavaScript.

- Optimize database and Rancher resources and conduct testing and tuning for improved performance.

- Troubleshoot and resolve Jenkins performance issues, ensuring build times are accurate and

efficient.

- Explore options for system scalability and performance through automated load balancing.

- Develop an automated health monitoring system to detect deployment and resource issues.

- Script and automate deployments to different environments to mitigate configuration management issues of configurations

- Troubleshoot issues across the application stack when issues arise

- Work closely with DevOps and developers team to bridge any gap in process and communication

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, Engineering, or related discipline (4 years of additional experience may be substituted for a degree)

- 15+ years of relevant experience in software development, ranging from work in a DevOps environment to full stack engineering

- Proficiency in the following technologies:
  - Java
  - Apache NiFi workflow configuration and deployment
  - Databases such as PostgreSQL and MongoDB
  - Python and machine learning
  - Docker
  - Kubernetes
  - Cloud-like infrastructure

- Experience with Jenkins for pipeline integration and deployment

- Familiarity with Agile development methodologies

- 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 load balancing and performance tuning

- Knowledge of health monitoring tools and best practices

- Strong troubleshooting skills with a focus on optimizing deployment processes

- Excellent collaboration and communication skills

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