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Backend / AI Software Engineer

GovEagle
ID: SRN2025-10082

Backend / AI Software Engineer
GovEagle • Full Time • New
York, NY • On-site • $150,000
– $200,000 + Equity

About the Company:
GovEagle (YC W23) is building the AI-powered operating system for government contractors. We help our customers respond to complex federal RFPs in hours instead of weeks—using cutting-edge LLMs to automatically draft proposals from historical content, templates, and prior work.

We've earned trust from top 10 defense contractors, raised $2M from Strategic Cyber Ventures, and haven't lost a single competitive deal to date. If you're seeking a rare opportunity to work on high-impact, defensible AI products at the intersection of government and deep tech—this is it.
Join us in NYC as we scale from our first 3-person founding team into a category-defining company.

Roles and Responsibilities:
- Lead full-stack development of the GovEagle platform, with a strong emphasis on backend architecture and data-intensive workflows.
- Build and optimize our core infrastructure using FastAPI, Python, and Celery, with seamless integration into frontend components using React, Typescript, and Next.js.
- Design and implement advanced LLM/AI systems (e.g., RAG pipelines, prompt chaining, fine-tuning, evaluations) that power proposal generation.
- Collaborate closely with our CTO and product designer to ship polished, intuitive UX that delights users.
- Own and evolve secure, scalable backend systems that handle sensitive customer data—often for government contractors.
- Contribute to technical decisions across the stack and influence company-level strategy from day one.
- Bonus: Familiarity with Kubernetes, AWS GovCloud, or Azure GovCloud is a plus, though not required.

Job Requirements:
- 5–15 years of professional experience in software engineering, with deep backend expertise in Python and FastAPI.
- Demonstrated experience building and integrating AI/LLM applications—not just via APIs, but through architectural ownership (e.g. RAG, chaining, tuning).
- Proven track record at early-stage startups (ideally sub-30 people), especially in fast-moving, ambiguous environments.
- Founder or founding engineer experience is highly valued.
- Experience with document-heavy systems, data pipelines, or workflow automation tools is a plus.
- Must be a U.S. Citizen due to compliance requirements.

- Obsessed with quality. Autonomous, proactive, and thrives in high-intensity environments (we work hard, including some weekends).
- Strong communicator who can collaborate cross-functionally and make smart tradeoffs under pressure.

❌ Do NOT Apply If You:
- Require visa sponsorship (H1B, TN, etc.).
- Have a history of frequent short tenures (job hopping).
- Have only worked in big corporations (Uber, Intel, etc.) without startup experience.
- Come from an IT consulting background (Infosys, Tata, Capgemini, Cognizant, Wipro, etc.).
- Graduated from coding bootcamps (Full Stack Academy, Hack Reactor, etc.).
- Have fake or misrepresented profiles.
- Lack deep AI/LLM experience or hands-on architectural exposure.
- Are not able or willing to work on-site in NYC 5–6 days/week.

Interview Process
1. Intro with CTO (30 min) - Meet the technical co-founder and learn more about GovEagle's mission and trajectory.
2. Technical Screen (45 min) - Walk through and solve a real-world customer problem we've tackled before.
3. Onsite Interview (1 Day – NYC) - Meet the full team in our Union Square office. Multi-round technical + culture interviews.
4. Offer Extended