Backend Software Engineer

*Boston Area*

**Who We Are**

AlphaRoute is a startup that provides dynamic, end-to-end software, advanced analytics, and sophisticated consulting support to help school bus and transit agencies optimize their daily operations. Our work has been recognized by INFORMS, the largest professional association for operations research, management science, and analytics. Our team of PhD-level researchers and former public sector executives has garnered significant press coverage from *The Wall Street Journal* and several other publications. As we work to transform the world of mobility, we are saving millions of dollars for our clients, improving the lives of their constituents, and helping the environment.

**Basic Qualifications**

- Bachelor’s or higher in Computer Science, or a related field.
- Production code experience in some or all of the following languages: Julia, Python, Java, JavaScript.
- Strong awareness about proper design principles and ability to iterate based on user feedback.
- Experience developing and supporting high-quality production code for data-heavy cloud platforms or APIs.
- Ability to collaborate with other data scientists and engineers.
- Rapidly prototype & ship product to accelerate development cycles.
- Exceptional problem solving skills, evidenced by prior work and/or research.
- An energetic, team-oriented professional who is passionate about innovation and data science.

**Preferred Qualifications**

- Thrives in backend engineering positions and can deliver user experience at scale.
- Experience designing and implementing software for transportation and/or supply chain systems (e.g., routing, scheduling).
- Familiarity with optimization methods, related tools, and the latest technology (e.g. CPLEX, Gurobi).
- Passion for work that benefits the public good.

**Job Description**

As a Backend Software Engineer, you will play an important part in the company’s growth and development. You will leverage your problem-solving mindset and computer science knowledge to develop novel solutions for our platforms and integrations. You will translate insights from product and sales teams into feature sets and design elements, support quality production code,
and deliver on enterprise-level user experience. Working collaboratively with our first-rate data science team, you will develop new algorithms and methodologies which will achieve broad applicability across and within the industries we serve, with emphasis on transportation and supply chain systems. A backend software engineer will bring energy, positivity, and determination to an already exciting work environment.

Everyone at AlphaRoute has a voice in who we are and what we do. We offer competitive pay, comprehensive health insurance, and flexible work schedules. We are a young team that works hard and plays hard — engaging in office trivia, team hangouts, happy hours, office putting contests, and much more! While we continue to grow, we believe that maintaining our fun, close-knit culture is key to our continued success.

Please apply on our website alpharoute.com/careers/.

We welcome all identities, backgrounds, and voices at AlphaRoute, and we would love to hear from you!