



ABOUT THIS ROLE



New York, NY, United States



Software Engineering - C++



Full-Time



Job ID: R-000284



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Core Web Engineer

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 New York, NY, United States

Hudson River Trading (HRT) is looking for a Core Web Engineer to join the team. In this role, you will build UIs and backend processes to support our Algo Developers (ADs) and Traders in overseeing trading processes, executing manual trades, assessing risk, and researching improvements to our strategies. This is impactful work; many of the UIs are generating and interpreting the complex strategies being deployed at the scale of HRT, with vast quantities of the world's market and financial data. As a Core Web Engineer, you will contribute significantly to our trading infrastructure as a whole.

You'll be working with ADs, Core Engineers, and others to build backend processes to ingest and transform large quantities of data, and front ends to visualize that data quickly. You will have the opportunity to generate your own ideas about new features or products, and own the implementation of significant pieces of our research and trading infrastructure. You will get to see how your products are used daily in creating trading strategies, and ultimately the impact they will have on HRT's success.

Core Web Engineers work across a variety of technologies from building Web Applications in TypeScript with React to writing backend services in Python or C++.

Qualifications

- Bachelor's degree in Computer Science, Engineering, or a related field
- Solid backend coding practices, building well-tested, reliable systems
- Excellent coding, debugging, and problem solving skills
- Strong Computer Science fundamentals
- Working knowledge of UNIX operating systems
- Experience with JavaScript and/or TypeScript
- Experience with Python and/or C++
- Experience with React/Redux is a plus
- Experience as a professional full-stack developer is a plus
- Passion for UX and building human-focused technological solutions
- Willingness to learn and grow as an engineer
- You really like to work with people who challenge you and make you better at what you do

Annual base salary range of \$175,000 to \$250,000. Pay (base and bonus) may vary depending on job-related skills and experience. A sign-on and discretionary performance bonus may be provided as part of the total compensation package, in addition to company-paid medical and/or other benefits.

Culture

Hudson River Trading (HRT) brings a scientific approach to trading financial products. We have built one of the world's most sophisticated computing environments for

research and development. Our researchers are at the forefront of innovation in the world of algorithmic trading.

At HRT we welcome a variety of expertise: mathematics and computer science, physics and engineering, media and tech. We're a community of self-starters who are motivated by the excitement of being at the cutting edge of automation in every part of our organization—from trading, to business operations, to recruiting and beyond. We value openness and transparency, and celebrate great ideas from HRT veterans and new hires alike. At HRT we're friends and colleagues – whether we are sharing a meal, playing the latest board game, or writing elegant code. We embrace a culture of togetherness that extends far beyond the walls of our office.

Feel like you belong at HRT? Our goal is to find the best people and bring them together to do great work in a place where everyone is valued. HRT is proud of our diverse staff; we have offices all over the globe and benefit from our varied and unique perspectives. HRT is an equal opportunity employer; so whoever you are we'd love to get to know you.

Apply for this job

* indicates a required field

First Name *

Last Name *

Email *

Phone *

Location (City)

[Locate me](#)

Resume/CV *

Accepted file types: pdf, doc, docx, txt, rtf

Cover Letter

Attach

Enter manually

Accepted file types: pdf, doc, docx, txt, rtf

Preferred First Name

What are your pronouns?

Optional: if you choose to share your pronouns (ex. she/her, they/them), your pronouns will be made available to your interviewers so they may address you appropriately throughout the interview process.

How did you hear about HRT? *

If you heard about us from a friend or family member at HRT, please enter their full name below. *

Type N/A if not applicable.

Which HRT office are you primarily interested in being considered for? Please consider the location this job is posted in as this role may not be available in all HRT office locations. *

Which additional HRT offices are you open to being considered for? This may be used by the team to consider your resume for other roles at HRT.

- ☐ Austin
- ☐ Boulder
- ☐ Chicago
- ☐ Dublin
- ☐ Hong Kong
- ☐ London
- ☐ Miami
- ☐ Mumbai
- ☐ New York
- ☐ Seattle
- ☐ Shanghai
- ☐ Singapore
- ☐ Remote

Have you interviewed with HRT in the past? *

Select...



Have you previously worked for Hudson River Trading or its affiliates? *

Select...



Do you now, or will you in the future, need sponsorship from an employer in order to obtain, extend or renew your authorization to work in the country this job is posted in? *

Select...



Self-Identification Form

HRT Cares about fostering diversity of gender identity/expression, sexual orientation, race, veteran and disability status within our organization. We do not discriminate based on any of these factors and any information provided on the following form is kept completely confidential; your interviewers will not see this. In order to track the effectiveness of our recruiting efforts please fill out the survey:

What is your gender? *

Select...



Do you identify as transgender? *

Select...



What is your sexual orientation? *

Select...



Are you a veteran? *

Select...



Do you have a disability? *

Select...



What race/ethnicity do you identify as? *

Select...



Submit application



ABOUT HRT

Hudson River Trading is a multi-asset class quantitative trading firm that provides liquidity on global markets and directly to our clients. We have built one of the world's most advanced computing environments for research and development, modeling, and risk management, and are at the forefront of technical innovation for financial markets everywhere. We are thoughtful market leaders, committed to the health and longevity of global markets.

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- [Client Market Making](#)
- [Ventures](#)
- [Disclosures](#)

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- [Life at HRT](#)
- [Student Opportunities](#)
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