

# Financial Engineer

We are seeking to add a talented Financial Engineer to our team. An academic mindset is a plus. Cool side projects are encouraged.

## What We Do

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Smartleaf is changing the way private wealth is managed. Our hosted service generates daily trade recommendations used to manage over \$50 billion in assets across more than 50,000 accounts belonging to individual investors (e.g., your neighbor, you, your parents). We are privately owned, profitable, and growing rapidly.

We help service individual accounts through our clients, who are typically wealth managers at bank trusts, registered investment advisors, and broker/dealers. We are a small team of dedicated visionaries and engineers. By automating much of what is involved in wealth management, we are making it possible for ordinary investors to receive a level of wealth management that was once the exclusive preserve of the ultra wealthy investor. We have stubbornly worked toward moving the needle of what a single individual can expect in wealth management.

## What We Don't Do

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We do not have a trading floor. We do not dress in suits. We are not part of mainstream finance, but hope to change the norm of what finance means to the individual investor — this is at the very core of our group DNA.

## Who We Are

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Smartleaf is made up of entrepreneurially minded people of diverse backgrounds and experience levels. The technical team and board include a principal author of the original Apache server, former members of the MIT Artificial Intelligence Lab, and Harvard Business School professors, to name a few. Our broad mix of backgrounds and experience allows us to keep our service both stable and innovative.

Our alumni have gone on to do great things, both as academics and entrepreneurs.

## Qualifications

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You are driven, smart, and collegial. Most of your peers think you're among the smartest people they know.

Specific qualifications include:

- A bachelor's or master's degree in engineering, finance, or a hard science. (In the past, EE/CS, physics, math, and operations research majors have been good fits.)
- Strong object-oriented programming skills, including C/C++.
- Coursework in calculus, differential equations, and college-level statistics.
- A detail-oriented, self-directed working style.
- Experience with software development on Linux.

The following are 'nice to have', but not absolutely required:

- Knowledge of financial modeling and portfolio construction theory.
- A degree in financial engineering.
- R programming experience.
- A background in optimization, parallel processing, and/or bash scripting.

This is a junior to mid-level position. Applicants with a few years' work experience are preferred over new graduates, but we'll also consider new graduates with a solid record of non-academic internships.

Some of us engage customers directly and some of us don't. We all have to work well together.

## The Work

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You'd be joining our financial research and analytics team. The Smartleaf Analytic Engine ("SLAE") is at the core of our system and is the part that performs the portfolio optimization and recommends trades. There is scope for a wide range of work in analytics, including:

- Researching, implementing, and testing new trading strategies
- Maintaining the analytic engine, implementing new features, and responding to customer requests
- Developing optimization code
- Performing backtests and gathering metrics to measure system performance

Since we are a small company, everyone here wears a lot of hats – this is a great opportunity for people who want to make an impact, see immediate results from their work, and get a wide range of experience. In the past, Smartleaf has been a stepping-stone for technical professionals who were interested in mainstream finance but just wanted to dip a toe.

### **The Firm**

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Founded in 1999, Smartleaf is still small in numbers and privately held. We are located directly above the Kendall Square T stop, in a sunny, seventh-floor office. In addition to competitive compensation, Smartleaf employees receive comprehensive health and dental coverage, three weeks paid time off, flexible work hours, ISOs, free food, and an espresso machine better than most coffee houses' (almost like it's 1999).

### **How to Apply**

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Send your resume and a brief cover letter to [jobs@smartleaf.com](mailto:jobs@smartleaf.com)

Smartleaf is an Equal Opportunity Employer.

*To all recruitment agencies: Smartleaf does not accept agency resumes. Please do not forward resumes to our jobs alias, Smartleaf employees or any other company location. Smartleaf is not responsible for any fees related to unsolicited resumes.*