



## Our Engineers don't just make things— we make things possible.

Change the world by connecting people and capital with ideas. Solve the most challenging and pressing engineering problems for our clients. Join our engineering teams that build massively scalable software and systems, architect low latency infrastructure solutions, proactively guard against cyber threats, and leverage machine learning alongside financial engineering to continuously turn data into action. Create new businesses, transform finance, and explore a world of opportunity at the speed of markets.

Want to push the limit of digital possibilities? Start here.

Make things possible at [goldmansachs.com/careers](https://goldmansachs.com/careers).



# You solve problems. So do we.

## See yourself here.



*We look for creative collaborators who evolve, adapt to change and thrive in a fast-paced global environment. Some of the types of work we do in Engineering include:*

## Quantitative Strategists

**Our quantitative strategists are at the cutting edge of our business, solving real-world problems through a variety of analytical methods.**

Working in close collaboration with bankers, traders and portfolio managers across the firm, their invaluable quantitative perspectives on complex financial and technical challenges power our business decisions. As a member of our team, you will use your advanced training in mathematics,

programming and logical thinking to construct quantitative models that drive our success in global financial markets. Your talents for research, analysis and aptitude for innovation will define your contributions and enable you to find solutions to a broad range of problems, in a dynamic, fast-paced environment.

Whatever your background, you will bring a fresh perspective and unique skillset to our business. In return, you will be trained by our experts across the firm to navigate the complexities of the financial markets and state-of-the-art methods in quantitative finance.

An ordinary day is anything but. You may work on alpha generating strategies; discuss portfolio allocation problems; and build models for prediction, pricing, trading automation, data analysis and more. Whichever your area of contribution, your ideas will have measurable effect on our business and for our clients.

## Cyber Security

**We look beyond the numbers and find the trends.**

As a member of our team, you will extract meaningful information to engineer advice and solutions that have real-world implications for our clients and the firm. This level of expert analysis involves large, at times global, data sets—both structured and unstructured—to build predictive models that are relevant to specific business centers and account for market variables.

These quantitative techniques then inform effective and accurate cross-asset trade and portfolio ideas for our clients. In collaboration with your team and others across the firm, you will build and enhance advanced quantitative and analytical methods, utilizing software to design risk modeling systems and develop machine learning algorithms. Specifically, your role will focus on providing APIs to clients helping them generate alpha, risk calculations and business metrics. This valuable information will allow them to build and challenge risk models that identify and quantify market and liquidity risk and modeling vulnerabilities.

## Software Engineering

**Become a software engineer at Goldman Sachs and bring your skills to help us build the next generation of finance systems that change how our clients and internal teams conduct business.**

Combine the best open source software, databases, cloud solutions, and programming languages, to solve problems and provide accurate, complex, scalable applications that help our business and clients gain new insights. As a software engineer, you are the change agents that transform Goldman Sachs by applying your technical know-how.

Be a part of our embedded engineering teams, that work as a unit with our business partners. Collaborate with trading, sales, asset management, banking, finance and others, to build and automate solutions to keep our firm's position on the cutting edge. Or, join our core engineering teams, and elevate all of our businesses by providing reliable, scalable platforms for data engineering, machine learning, networking, developer tooling, collaboration and more.

Innovate with UI/UX designers, full-stack engineers, data scientists, cloud engineers, and more in a collaborative, agile environment where your enthusiasm to take on new problems and learn will have an immediate impact.

## Systems Engineering

**Systems engineers work in the wide core of systems necessary to support and maintain business operations throughout the firm.**

As a systems engineer, you have the immediate opportunity to design, develop, implement and own a variety of systems which ensure uninterrupted operation of all our lines of business.

In this role you will explore public and private cloud, networks, storage, compute, big data, application messaging and more. Our engineers work on a variety of challenging problems from building our data infrastructure, to implementing public and private cloud-based solutions, to providing seamless, on-demand scaling of our applications.

Join our systems engineers and write enterprise level code in a variety of programming languages with high-scalability, testing and robustness.