Technology

The latest technologies are reinventing our industry. As part of Goldman Sachs' Technology division, you will lead this reinvention, envisioning and building innovations that will enable us to improve our competitive edge. Your work will drive business further — it will help to extend business boundaries and optimize the way we work as individuals, as teams and as a globally networked organization.

We offer opportunities in our Development and Core Infrastructure/Divisional Systems which work closely together alongside our businesses and offer a broad choice of roles. Our global businesses rely on these crucial areas and all positions begin with an extensive training program.

Whether working in Development or Infrastructure/Divisional Systems, you will have the opportunity to work on international projects with a wide range of technologies. You will work alongside our internal and external clients to help them understand what the latest technology can do for them. You might work with our own traders, with external electronic brokerages or on our latest Internet strategy. You will assist our professionals in dealing with day-to-day technology issues.

Our team members combine technical expertise with a deep understanding of our business and competitive environment. And although technical skills will serve as the foundation for your career, your success will depend equally on your analytical, communication and problem-solving skills.

Development

As a new developer, you will combine technical skills, business knowledge and creativity in the development of leading-edge software solutions for critical business needs. Your responsibilities will span all phases of the project life cycle. You might find yourself creating a high volume, web-based trade processing architecture or developing software applications for the firm's various advisory and e-commerce initiatives. Some of the technologies you may work with include Java™ technology, C, C++, UNIX®, Microsoft® technology, Perl, XML, HTML, Visual Basic, VBScript and N-tier architecture.

Core Infrastructure/Divisional Systems

The firm's infrastructure is managed by two complimentary global functions: Core Infrastructure and Divisional Systems.

CORE INFRASTRUCTURE

Through its focus areas of engineering, operations, information security and market data, the Core Infrastructure teams architect, introduce and operate the Firm's global technology infrastructure. Infrastructure designs are resilient, competitive, affordable, recoverable and secure using vendor, open source and proprietary technologies.

Focus Areas:

- **Platform and Network Engineering**: Responsible for the strategy, design and integration of the Firm's distributed compute, storage, core and perimeter/Internet networking platforms.
- **Technical Operations**: Responsible for running the central infrastructure of the firm including 24x7 management of the systems and network environments as well as planning appropriate recoverability of our businesses through a global Business Continuity Program.
- **Major Building Projects**: Responsible for the planning and coordination of technology installations in new buildings or other major facilities projects. These projects are often used as opportunities to introduce new technology platforms.
- **Market Data Services**: Responsible for the delivery of a globally streamlined environment for the timely and efficient delivery of key market prices, news and other information.
- **Information Security**: Establishes strategy, policy, risk oversight and solutions to secure the firms infrastructure, business applications and information to counter threats and meet industry standards.

**Subject Areas:**
- Advanced operating systems, middleware and application infrastructure from vendor, proprietary and open source.
- Large scale Storage Area Network facilities.
- State of the art high bandwidth voice, video and data networks that span the globe.
- Engineering of resilient and highly available infrastructure designed to support a global 24x7 business.
- Design and deployment of highly scalable secure Internet application delivery environments.
- Development of high performance application and business messaging solutions.
- Utilization of leading edge wireless, remote access and Virtual Private Network technologies to deliver the capability to conduct business more flexibly.
- Delivery of state of the art security solutions from integrated authentication and authorization systems through to sophisticated monitoring and intrusion detection instrumentation.
- High performance and highly reliable market data delivery and contribution technology.
- Product Management of infrastructure solutions assuring financial transparency.

**DIVISIONAL SYSTEMS**

Divisional Systems partners with application development and core infrastructure teams to design, install and manage platforms for the Firm's business applications. The divisional services teams recommend, implement and support hardware and software solutions by understanding the Firm's needs and usage patterns of technology. The database management team engineers and manages globally-distributed database environments for business applications. Focus is on scalable, cost-effective solutions that are secure, manageable and resilient, offering flexible service levels based on need, risk and cost.

**Focus Areas:**
- **Divisional Services**: Responsible for integration, implementation and management of systems for the Firm's business divisions across trading, investment management, research, finance and the Firm's support functions.
- **Database Management Systems**: Responsible for providing database engineering, implementation and management for the globally distributed-database environment in support of our business applications.
- **Cross Divisional Services**: Manages a broad range of centralized functions for provisioning, implementation and support for workplace services, coordination for staff and technology movement within the campus, and support for the Firm's mobile and remote technology solutions.

**Subject Areas:**
- End user support for third party and business applications, operation systems and hardware.
- Business use models for computing, storage and communications systems.
- Strategy and management of multiple computing (farms, grids, n-tier, and appliance) and application models (web, terminal service, and client-server) built around global business applications.
- Flexible workplace design emphasizing scalability and maintainability.
- Design and management of the Firm's database environments for business applications.
- Highly-leveraged centralized move management, provisioning and mobile computing teams.
- Enforcement of the Firm's security and business use policies at the point of delivery.