Pathfinder IT Terms Guide

General IT & Networking

Abbreviation	Meaning
IT	Information Technology
LAN	Local Area Network
WAN	Wide Area Network
IP	Internet Protocol
ISP	Internet Service Provider
DNS	Domain Name System
DHCP	Dynamic Host Configuration Protocol
MAC	Media Access Control
TCP	Transmission Control Protocol
UDP	User Datagram Protocol
VPN	Virtual Private Network
HTTP	HyperText Transfer Protocol
HTTPS	HTTP Secure
FTP	File Transfer Protocol
SSH	Secure Shell
URL	Uniform Resource Locator
NAT	Network Address Translation
SSL	Secure Sockets Layer
TLS	Transport Layer Security

Software Development

Abbreviation	Meaning
API	Application Programming Interface
SDK	Software Development Kit
IDE	Integrated Development Environment
OOP	Object-Oriented Programming
UI	User Interface
UX	User Experience

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CLI	Command Line Interface
MVC	Model View Controller
DOM	Document Object Model
JSON	JavaScript Object Notation
XML	eXtensible Markup Language
CRUD	Create Read Update Delete
REST	Representational State Transfer
SOAP	Simple Object Access Protocol
DBMS	Database Management System
SQL	Structured Query Language
NoSQL	Non-Relational Database
ORM	Object-Relational Mapping
CI/CD	Continuous Integration / Continuous Deployment
TDD	Test Driven Development

Programming Languages & Tools

Abbreviation	Meaning
JS	JavaScript
HTML	HyperText Markup Language
CSS	Cascading Style Sheets
JSX	JavaScript XML
TS	TypeScript
PHP	PHP: Hypertext Preprocessor
SASS	Syntactically Awesome Stylesheets
SCSS	Sassy CSS
YAML	Yet Another Markup Language
SQL	Structured Query Language
Bash	Bourne Again Shell
Git	Version Control Tool
NPM	Node Package Manager
VSCode	Visual Studio Code

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REPL	Read Evaluate Print Loop
LTS	Long-Term Support
CDN	Content Delivery Network
JWT	JSON Web Token

Web & Hosting

Abbreviation	Meaning
CMS	Content Management System
SEO	Search Engine Optimization
UX/UI	User Experience / Interface
UXD	User Experience Design
SaaS	Software as a Service
PaaS	Platform as a Service
IaaS	Infrastructure as a Service
CORS	Cross-Origin Resource Sharing
SSR	Server-Side Rendering
CSR	Client-Side Rendering
TLD	Top-Level Domain

Cybersecurity

Abbreviation	Meaning
DDoS	Distributed Denial of Service
XSS	Cross Site Scripting
CSRF	Cross Site Request Forgery
MFA	Multi-Factor Authentication
2FA	Two-Factor Authentication
MITM	Man In The Middle
IPS	Intrusion Prevention System
IDS	Intrusion Detection System
ACL	Access Control List
RDP	Remote Desktop Protocol

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Zero-Day	Undisclosed software vulnerability
CVE	Common Vulnerabilities and Exposures
EDR	Endpoint Detection and Response
SOC	Security Operations Center

Cloud & DevOps

Abbreviation	Meaning
AWS	Amazon Web Services
GCP	Google Cloud Platform
Azure	Microsoft Cloud Platform
CI/CD	Continuous Integration / Continuous Delivery
IaC	Infrastructure as Code
DevOps	Development & Operations
Kubernetes	Container Orchestration System
Docker	Containerization Tool
Helm	Kubernetes Package Manager
Terraform	IaC Tool by HashiCorp
Ansible	Automation Tool
Jenkins	Automation Server

Data & AI

Abbreviation	Meaning
AI	Artificial Intelligence
ML	Machine Learning
DL	Deep Learning
NLP	Natural Language Processing
ETL	Extract Transform Load
BI	Business Intelligence
DB	Database
RDBMS	Relational Database Management System
KPI	Key Performance Indicator

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ROC	Receiver Operating Characteristic
GPU	Graphics Processing Unit
CPU	Central Processing Unit