

SUBDOMAINS	SKILLS	EXAMPLE COMPANIES
APPLICATION DEVELOPMENT	<ul style="list-style-type: none"> Enterprise Applications: Software solutions for business operations (e.g., ERP, CRM). Mobile Applications: Apps designed for mobile devices (e.g., iOS, Android). Web Development: Creation of websites and web applications. 	Salesforce, Workday, Uber, Airbnb, Google
SYSTEMS SOFTWARE	<ul style="list-style-type: none"> Operating Systems: Software that manages hardware and software resources (e.g., Windows, Linux). Embedded Systems: Specialized software designed for specific hardware (e.g., automotive systems, IoT devices). 	Apple, Google, Tesla, Cisco
DATABASE MANAGEMENT	<ul style="list-style-type: none"> Relational Databases: Systems that manage data in a structured format (e.g., SQL, Oracle). NoSQL Databases: Databases designed for unstructured data (e.g., MongoDB, Cassandra). 	Oracle, SAP, MongoDB, Couchbase
CLOUD COMPUTING	<ul style="list-style-type: none"> Infrastructure as a Service (IaaS): Providing virtualized computing resources over the internet (e.g., AWS, Azure). Platform as a Service (PaaS): Platforms that allow developers to build applications without managing the underlying infrastructure (e.g., Google App Engine). Software as a Service (SaaS): Software distribution model in which applications are hosted by a service provider and made available over the internet (e.g., Salesforce, Office 365). 	AWS, Microsoft Azure, Google Cloud Platform (GCP), Heroku (Salesforce), Dropbox
ARTIFICIAL INTELLIGENCE & MACHINE LEARNING	<ul style="list-style-type: none"> Natural Language Processing (NLP): Software that processes and analyzes large amounts of natural language data (e.g., chatbots, language translation). Computer Vision: Technology that allows computers to interpret and make decisions based on visual data (e.g., facial recognition, object detection). Predictive Analytics is software that uses data, statistical algorithms, and machine learning techniques to identify the likelihood of future outcomes. Check out Handpicked Talent Skills Section in AI for more information. 	OpenAI, Google DeepMind, Nvidia, Sighthound, Palantir, Splunk
CYBERSECURITY	<ul style="list-style-type: none"> Application Security: Protecting applications from threats by finding and fixing security vulnerabilities. Network Security: Protecting the integrity and usability of network and data. Information Security: Ensuring data confidentiality, integrity, and availability. Check out Handpicked Talent Skills Section in AI for more information. 	Veracode, Synack, Palo Alto Networks, Cisco, Symantec, McAfee
DEVOPS AND CONTINUOUS INTEGRATION/CONTINUOUS DEPLOYMENT (CI/CD)	<ul style="list-style-type: none"> Automation Tools: Tools that automate software deployment (e.g., Jenkins, Docker). Monitoring and Logging: Tools that monitor application performance and log data (e.g., Splunk, Prometheus). 	Jenkins, Docker, Splunk, Datadog
BLOCKCHAIN AND CRYPTOCURRENCY	<ul style="list-style-type: none"> Cryptocurrency: Digital or virtual currencies that use cryptography for security (e.g., Bitcoin, Ethereum). Blockchain: Distributed ledger technology that underlies cryptocurrencies and can be used for various applications (e.g., smart contracts, decentralized applications). 	Coinbase, Kraken, Ripple, Consensus
HEALTH TECH	<ul style="list-style-type: none"> Electronic Health Records (EHR): Digital version of patients' paper charts. Telemedicine: Remote diagnosis and treatment of patients via telecommunications technology. Health Information Systems: Systems designed to manage healthcare data. 	Epic Systems, Cerner, Teladoc, Doctor On Demand, Change Healthcare, Allscripts
GAMING AND ENTERTAINMENT	<ul style="list-style-type: none"> Game Development: The creation of video games (e.g., PC, console, mobile games). Digital Media: Software for creating and distributing digital content (e.g., streaming services, content management systems). 	Electronic Arts, Zynga, Netflix, Spotify
BIG DATA AND ANALYTICS	<ul style="list-style-type: none"> Data Warehousing: Centralized repository of integrated data from various sources. Data Mining: The process of discovering patterns in large data sets. Business Intelligence (BI): Technologies and strategies used by enterprises for data analysis and management. 	Snowflake, Teradata, Cloudera, Hortonworks, Tableau, Looker (Google)
ROBOTICS AND AUTOMATION	<ul style="list-style-type: none"> Robotic Process Automation (RPA): Technology that allows software robots to automate repetitive tasks. Industrial Automation: Use of control systems for operating equipment with minimal or reduced human intervention. Check out Handpicked Talent Skills Section in Robotics for more information. 	UiPath, Automation Anywhere, Siemens, Rockwell Automation
INTERNET OF THINGS (IOT)	<ul style="list-style-type: none"> Smart Devices: Devices connected to the internet that can collect and exchange data (e.g., smart home devices, wearable technology). IoT Platforms: Systems that manage IoT devices and data (e.g., Google Cloud IoT, Amazon AWS IoT). 	Nest (Google), Ring (Amazon), Amazon AWS IoT, Microsoft Azure IoT