



ISSUE 001

Directory of Emerging IT Jobs in India 2020

- Blockchain Developer
- Artificial Intelligence Specialist
- Digital Marketing Professional
- Lead Generation Specialist
- Backend Developer
- Cybersecurity Specialist
- Site Reliability Engineer
- Customer Success Specialist
- Full Stack Developer
- Robotics Software Engineer
- JavaScript Developer
- Python Developer
- Front-end Developer
- Robotic Automation Consultant

Source: business.linkedin.com

**Indian IT workforce
will touch 30 million
by 2020**

Source: NASSCOM

Blockchain Developer

A blockchain developer is a type of software developer who works with blockchain technology. Blockchain is a decentralized data storage solution that can be used by the public; what makes it so unique is that any data sent over blockchain is not stored in a central location or by a third party.

Skills required: Hyperledger, Ethereum, Solidity, Node.js and Smart Contract.

Locations: Bengaluru, New Delhi and Hyderabad.

India ranked sixth in the number of Blockchain patent approvals.



Artificial Intelligence Specialist

Artificial Intelligence Specialists work on systems that not only gather information but formulate decisions and act on that information. Voice recognition software is one example of the work Artificial Intelligence Specialists.

Skills required: Machine Learning, Deep Learning, TensorFlow, Python and Natural Language Processing (NLP).

Locations: Bengaluru, Pune and Hyderabad.

Most products will be using AI by 2025 and many AI-first companies will emerge across sectors.

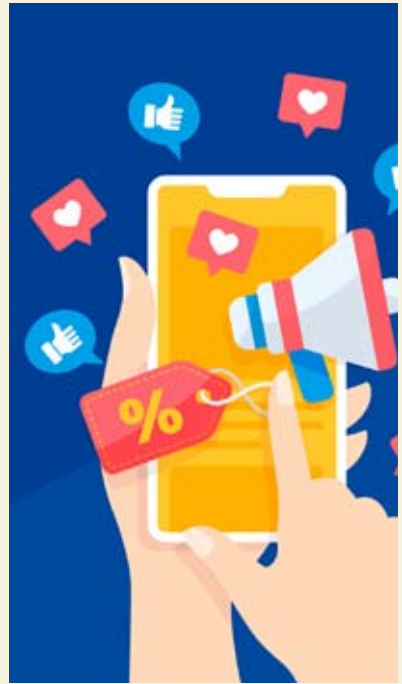
Digital Marketing Specialist

A digital marketing specialist is responsible for developing the strategy used in marketing a company's product online, utilizing such techniques in the field as social media, web analytics, e-mail marketing and search engine optimization etc.

Skills required: Website basics, HTML, Social Media Management, Search Engine Optimization and Running online campaigns.

Locations: Hyderabad, Mumbai, Bengaluru, Kochi and Thiruvananthapuram.

Global social media ad spend reached \$84 billion in 2019 outperforming print ad spend.



Lead Generation Specialist

The Lead Generation Specialist will be responsible for telephone and email prospecting; qualifying and processing marketing leads for the sales team; and generating summarized reports of their key findings.

Skills required: Market Research, Email Marketing, Customer Relationship Management (CRM), Business Development and Digital Marketing.

Locations: Pune, Gurgaon and Bengaluru.



Back-end Developer

Backend developer focuses on databases, scripting, and the architecture of websites. Code written by back-end developers helps to communicate the database information to the browser.

Skills required: PHP, Python, Java, .NET, Node.JS, JavaScript, Django, MySQL, MongoDB and MSSQL.

Locations: Bengaluru, Mumbai, Gurgaon, Kochi and Thiruvananthapuram.

Many of the world's biggest companies use Java to build their backend web systems.



Cybersecurity Specialist

Cybersecurity specialists work with organizations to keep their computer information systems secure. They determine who requires access to which information, and then plan, coordinate and implement information security programs.

Skills required: Vulnerability Assessment, Security Information and Event Management(SIEM) Penetration Testing, Information Security and Network Security.

Locations: Mumbai, Gurgaon and Bengaluru.

It is predicted that there will be 3.5 million unfilled cybersecurity jobs globally by 2021.



Site Reliability Engineer

Site Reliability Engineer (SRE) is responsible for availability, latency, performance, efficiency, change management, monitoring, emergency response, and capacity planning of web applications. SRE create a bridge between development and operations by applying a software engineering mindset to system administration topics.

Skills required: Amazon Web Services(AWS), Microsoft Azure, Ansible, Docker, Kubernetes and Jenkins.

Locations: Bengaluru, Hyderabad and Pune.

Experts say that DevOps is going to be the mainstream and its popularity is going to reach its peak.



Customer Success Specialist

Customer Success Manager work closely with customers to ensure they are satisfied with the services they receive and to improve upon areas of dissatisfaction. Customer success departments are relatively new and are used mainly in technical companies, specifically in software.

Skills required: Customer Relationship Management (CRM), Team Management, Customer Retention, Software as a Service(SaaS) and Account Management.

Locations: Bengaluru, New Delhi and Mumbai.



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Full Stack Developer

Full Stack Developers are computer programmers who are proficient in both front and back end coding. Full stack developers handle all the work of databases, servers, systems engineering, and clients.

Skills required: PHP, Python, Java, .NET, AngularJS, Node.JS, React.JS, JavaScript, MongoDB, MySQL and MSSQL.

Locations: Mumbai, Hyderabad and Bengaluru.

By 2024 web developer job growth is expected to increase by 27%.



Robotics Software Engineer

Robotics software engineer develops software for robot control and automation. Responsibilities include working on an embedded system that controls automated equipment, developing a user interface that non-technical employees can use to set up the equipment.

Skills required: Robotic Process Automation(RPA), UiPath, Blue Prism, Automation Anywhere, Robotics and SQL.

Locations: Gurgaon, Chennai and Bengaluru.

India now ranks eleventh worldwide in terms of annual installations of industrial robots.

JavaScript Developer

A JavaScript developer is responsible for completing the design of applications and software using JavaScript programming language. JavaScript Developers work with websites, producing front-end applications and performing code analysis and overall improvement of style and usability.

Skills required: AngularJS, Node.JS, React.JS, React Native and MongoDB.

Locations: Bengaluru, Mumbai, Hyderabad, Kochi and Thiruvananthapuram.

JavaScript is currently being used by more than 94 percent of all the websites.



Python Web Developer

A Python Web Developer is responsible for writing server-side web application logic. Python web developers usually develop back-end components, connect the application with the other third-party web services, and support the front-end developers by integrating their work with the Python application.

Skills required: Python, Django, Flask, MySQL, JavaScript and HTML.

Locations: Hyderabad, Mumbai, Bengaluru, Kochi and Thiruvananthapuram.

Python is the most popular language for Artificial Intelligence (AI) and Machine learning (ML) programming.

Front-end Engineer

Front-end Engineers are computer programmers who specialize in website designing. Responsibilities include determining the structure and design of web pages, striking a balance between functional and aesthetic design and ensuring web design is optimized for smartphones.

Skills required: Cascading Style Sheets(CSS), Bootstrap, JavaScript, AngularJS and HTML.

Locations: Bengaluru, Mumbai, Chennai, Kochi and Thiruvananthapuram.

Most of the start-ups looks for talented and creative front-end engineers.



Robotic Automation Consultant

Robotic Process Automation Consultants are responsible for the creation, design, development, and implementation of RPA systems. They are required to investigate, analyse, and set up automated processes to maximize efficiency for a business model.

Skills required: UiPath, Automation Anywhere, Blue Prism, Process Automation and SQL.

Locations: Bengaluru and Mumbai.

It is estimated that by the end of 2022, 85% of the large organisations will deploy some forms of RPA.



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