CADD CENTRE
Driving Digital Designs!
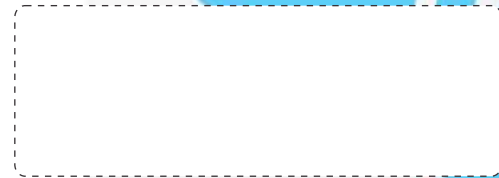
MONTHLY NEWSLETTER

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Best technology Careers for The Near Future

Education and skill development will never really come to an end when it comes to Information and Technology. Therefore, providing an updated account for the state of the technology industry is quite difficult. The rapid rise in technology has generated a boom in the career opportunities and job profiles across the IT industry. With the use of technology in our everyday life, the IT industry experienced a major spotlight in the past few years. This has led to many job opportunities in the field of analysis, design and IT Architecture. Some of the prominent technology based careers that are growing:

SOFTWARE ARCHITECT:

An architect maintains control over the architectural life cycle parallel to the software development of the project. A software architect's most prominent work is during the requirements and design stages of a project, but also an architect proactively monitors the adherence of the implementation of the chosen architecture during all its iterations.

Job Responsibilities	Figures	Accreditations	Recommended Tools
• Define, document and communicate project • Ensure software and system architecture are in sync • Resolve technical issues • Ensure right models are used to achieve high performance	*Medium Base Salary :* $130,000 *Job Score:* 4.2 *Career Opportunities Rating:* 3.4	• The Open Group Certified Architect Program • SEI Software Architecture Professional Certificate	• Oceans SDK • Unified Interop for Parasolid • Open Data exchange

UX DESIGNER:

A UX designer is someone who designs the look and feel of a software. He decides how will the user interact and use the application and is responsible to design the best interface to make the application more usable.

Job Responsibilities	Figures	Accreditations	Recommended Tools
• Design best navigation flow for the user • Conduct user adaptability tests • Designing best layouts and Prototyping	*Medium Base Salary :* $91,800 *Job Score:* 4.3 *Career Opportunities Rating:* 3.6	• Axure RP Certification • Adobe Certification for InDesign	• InDesign • Axure

SOFTWARE DEVELOPMENT MANAGER-
The job of a Software Development Manager is a bit tricky as it involves keeping his or her team on track for the project. Other than managing the team under him, he has to deliver the right project, the right time to the customer. And to achieve this goal, he has to make sure everyone knows their both short and long term goals and know how to achieve them.

ANALYTICS MANAGER-
An analytics manager's work id to analyze customer and operational data. He or she also produces analysis, which is accurate and can be relied on to a high level of confidence.

QA MANAGER-
Once the project is developed, it needs to be tested for functionality and quality. The primary job of a Quality Manager is to test that the project is up to the mark and meets all requirements of the clients maintaining proper functionality and quality of the product.

DATA SCIENTIST:
Once the project is developed, it needs to be tested for functionality and quality. The primary job of a Quality Manager is to test that the project is up to the mark and meets all requirements of the clients maintaining proper functionality and quality of the product.

Job Responsibilities	Figures	Accreditations	Recommended Tools
• Keep the development team on track • Project Planning and Prioritization • Manage the Commercial side of development • Ensure every team member is working on a reasonable level.	Medium Base Salary : $135,000 Job Score: 4.4 Career Opportunities Rating: 3.4	• iSHQI Foundation and Advanced • CSPM and CSM • CSPO and CSD • Professional Scrum Product Owner • Professional Scrum Master	• Trello • Podio • Cloud 9 • BrowserStack • ReSharper

Job Responsibilities	Figures	Accreditations	Recommended Tools
• To identify all required data sets given information requirements as specified in the contract. • Create a formula when necessary for data analysis • Generate reports integrating all relevant data and information.	Medium Base Salary : $105,000 Job Score: 4.5 Career Opportunities Rating: 3.7	• Certified Program in Business Analytics (CBA) • Executive Program in Business Analytics • Business analytics and Intelligence	• Axure • Blueprint • Case • Caliber

Job Responsibilities	Figures	Accreditations	Recommended Tools
• Provide timely feedback after reviewing requirements, specifications and technical designs. • Create comprehensive, detailed and well-structured test pans and test cases. • Plan, estimate, prioritize and coordinate testing activities	Medium Base Salary : $85,000 Job Score: 4.4 Career Opportunities Rating: 3.4	• Certified Manager of Software Quality (CMSQ) • Quality Assurance Management Professional (QAMP) • Certified Test Manager(CTM)	• qTest • PractiTest • Zephyr • Test Collab

Job Responsibilities	Figures	Accreditations	Recommended Tools
• Plan and develop required analytic projects in response to business needs. • Develop new analytical methods and tools as required. • Extract data relevant for analysis working with application developers.	Medium Base Salary : $116,840 Job Score: 4.7 Career Opportunities Rating: 4.1	• Descriptive and Inferential Statistics on Big Data • Advanced Analytical Techniques on Big Data • Machine Learning at Scale	• Spark • scikit-learn • Python

SOFTWARE ENGINEER:
Software Development and Engineering will be another vibrant career in the near future. A software developer is a person who carries out development of any software by writing well designed, efficient and testable code. He tailors and deploy software tools, processes and metrics.

MOBILE DEVELOPER:
With the world gone mobile, every industry from Hospitality, to Medical to Travel eCommerce, every business now has their own mobile applications. Almost every functionality that a website is capable of, is now present right inside your pocket. And thus, increased the demand of mobile apps. Mobile development, has therefore become one of the most prominent career options in the development sector.

SOLUTIONS ARCHITECT:
A solution architect can be said as the leader of the development team. The primary responsibility of this person is to help in converting the requirements of the customers into the architecture and design of the real project.

PRODUCT MANAGER:
product manager is also someone who works above the product development team. He is the responsible person for the entire life cycle and development of the product. This professional determines the market requirements of the project and delivers a product that the market requires.

Image courtesy: www.infovict.com // www.innovaticias.com// www.theodysseyonline.com

Job Responsibilities	Figures	Accreditations	Recommended Tools
• Execute full lifecycle software development. • Write a well-designed and testable code • Document and maintain software functionality. • Ensure every team member is working on a reasonable level.	Medium Base Salary : $95,000 Job Score: 4.5 Career Opportunities Rating: 3.3	• IEEE Professional Certification • CSCI E-50 Intensive Introduction to Computer Science • CSCI E-51 Abstraction and Design in Computation	• Cloud9 IDE • Code Envy • Comparison of IDEs •

Job Responsibilities	Figures	Accreditations	Recommended Tools
• Design and build advanced applications for Android and iOS devices. • Work with external data sources and API's. • Fixing bugs to improve performance. • Discover, evaluate and implement new technologies into the applications.	Medium Base Salary : $90,000 Job Score: 4.6 Career Opportunities Rating: 3.8	• IBM Certified Mobile Application Developer - Worklight V6.0 • Mobile Security Certifications: CompTIA, GIAC and SANS Institute. • Mobile Specialty Certifications: Workforce. • Management and Forensics.	• Eclipse IDE • Indigo Studio • AppCode • Reflector

Job Responsibilities	Figures	Accreditations	Recommended Tools
• Be mindful for the scope of the project. • Understand client's requirements. • Determine gaps between requirements and SAP functionalities. • Plan and monitor implementation of the solution.	Medium Base Salary : $119,500 Job Score: 4.6 Career Opportunities Rating: 3.5	• AWS Certified Solutions Architect - Associate • IBM Certified Solution Architect	• Alfabet • Avolution • Bizzdesign architect

Job Responsibilities	Figures	Accreditations	Recommended Tools
• Managing the entire product life cycle. • Understanding and specifying market requirements for current and future products. • Analyzing potential partner relationships for the product.	Medium Base Salary : $106,680 Job Score: 4.5 Career Opportunities Rating: 3.3	• Agile Excellence for Product Managers and Product Owners • CPM- Certified Product Manager Intensive Prep & Exam • CPMM-Certified Product Marketing Manager Intensive Prep & Exam	• Acteamo • Aha! • Jama Software