Where the Jobs Are

Information Technology Jobs in America: Corporate & Government Career Guide, Info Tech Employment. With the growth continuing for the IT industry in the United States and abroad, this book shows where the jobs are in the US IT services sector and in US federal, state, and municipal government agencies and departments.

The first section explores shifting occupations in the industry, as well as the industry employment trends toward more managing and less programming. This chapter also explores tech jobs with government that are lively, stable, secure, and well-paying. The book discusses how salaries show a higher-paid class of employees and how experience can be an acceptable substitute for education.

The second section explains how to make contact with this special sector for hiring and how to build a career in the IT services sector. The third section explains technology in government, public unionism for emerging technology jobs, and the desirable salaries for these emerging technology titles. The authors describe the technological developments that make technology in government possible. They define the modified processes that now call for staff in relational databases, Web portal development, infrastructure development and maintenance, network computing, data security, e-government, and e-commerce.

In the fourth section, the authors explore what jobs are available in federal, state, and city government, covering the thousands of information technology jobs that exist in all 101 federal agencies, and in 50 US states and most municipal government agencies.Tables show current IT job titles for federal and state and city IT jobs, salaries, five-year salary projections, and estimated pensions. Financial facts explain why, in today’s global economy, the authors believe an IT career in government is a desirable choice.

In section five, the authors provide a step-by-step guide to completing the application and hiring process for an IT job in federal, state, and city government personnel hiring systems. This section explains why a civil service exam is not required in most cases, why experience is an acceptable substitute for education in most government jobs, and how to fill out an experience and education paper or knowledge-skills and abilities statement. The book also examines factors for job class salary ranking and candidate ranking. Appendices include sample federal IT job announcements, and state and city IT job descriptions with qualifications required, and required application forms.

Section six provides articles on tech jobs, including C++ computer, Java and JavaScript, Visual Basic, Sun Solaris, Unix, Linux, network tech jobs, Oracle, SQL, FoxPro, Sybase, database management, software programmer, software engineer, network programmer, network systems, telecommunications, Web developer, IT procurement, IT training, and project management.


dice.com

http://www.dice.com/

This career site for technology and engineering professionals provides customers with access to a targeted pool of technology and engineering professionals. Employers and recruiters in a variety of industries post jobs and search resumes on Dice’s specialized career site to find the right employee or contractor. Through a variety of strategic affiliations, Dice gives customers’ job postings exposure to an engineering and tech-centric audience. Job seekers can use Dice to enhance careers by posting their resumes, by searching the database of permanent, consulting, and contract job postings, and by using Dice’s career resources, including certification test preparation products and a detailed annual salary survey of thousands of technology professionals.

“Dice Local Market Reports” are a series of reports to help Dice users better understand the marketplace dynamics in selected US markets. “In the Trenches with Dice” offers real-life job descriptions written by Dice job seekers.

“Technology Today” lets visitors read about technology trends that can influence careers.

“Cover Letters & Resumes” provides tips on crafting well-written resumes that highlight users’ job skills.

“Dice Discussions” is a place for technology professionals to get career advice, network, and just talk tech. Users can post questions, give answers, or just take it all in.

Dice.com and ResumeEdge.com have partnered to provide fee-based resume services. Customers can get matched with a resume writing professional through ResumeEdge.com, a pay site, with experience in areas such as computers, hardware, IT, software, Internet and e-commerce, telecommunications, and consulting services.

IT Pro Resources

If you have a book, event, or Web site you’d like IT Professional to include in Resources, send information to itproducts@computer.org for consideration. We can’t promise to include all submissions, but we will review them.
Global MBA/Masters Employment Conference

The 13th Annual Global MBA/Masters Employment Conference will feature global companies that preselect students for private interviews for opportunities in students’ home countries or other countries where they are authorized to work, as well as US-based opportunities. Only students who are selected for and accept at least one prescheduled interview with a participating company may attend the conference.

For the past 12 years, foreign nationals, dual US citizens, and US permanent residents have attended the conference. The gathering focuses on companies seeking candidates interested and authorized to work in their home countries, other countries where they may be authorized to work, and in the US.

Participating students are selected and invited for prescheduled interviews after companies have reviewed their conference applications and resumes. Students know which companies have selected them for interviews prior to the conference and have the freedom to accept only those interview invitations they wish.

In addition to the private, prescheduled interviews on Friday and Saturday, the conference features an open interview forum on Thursday, where invited students can meet and network with participating company representatives and obtain additional scheduled interviews. Companies set aside a large number of open interview slots on their schedules to be filled by students they meet at the forum. Last year, more than 1,000 open interview slots were available and filled at the forum.

To make it as affordable as possible for invited students, the conference subsidizes room rates at the Buena Vista Suites, located just a few steps from the conference hotel. The per-person cost is less than $35 per night.

http://www.careerconferences.com/gmba06/international.html

US Midwest Job Mine


So that job seekers can find employers close to home, the book’s publishers have released eight editions that cover eight US regions: New England states, Mid-Atlantic states, Potomac region, Southern states, Midwest states, Western states, West Coast states, and Northwestern states.

In the “Companies-Contacts-Links” section, technology job seekers can gain access to current URLs and recruiter/personnel email addresses of IT service providers in their region. These providers have active government and corporate contracts to supply IT services and staff.

In the articles section, 21 advisory and analytical articles discuss IT jobs, skill sets, positioning tools, job classifications, and pay scales. Analytical articles cover topics such as C++ computer, Java and JavaScript, Visual Basic, Unix, Linux, and network tech jobs.


Landing a COBOL Job

COBOL Programming Interview Questions: COBOL Job Interview Review Guide, Terry Sanchez-Clark. This book has more than 150 certification questions, answers, and explanations to guide readers through the learning process. From helping assess COBOL skills to evaluating candidates for a job, this book can help readers understand what’s necessary and what’s extraneous.

The book is organized around COBOL’s defining features, standards, and common applications. Each question includes details to master the interview or properly evaluate a candidate, and is based on project knowledge and experience gained on COBOL implementations. Certification and interview topics include COBOL standards, challenges with configuration, and platforms like CICS. This book also includes code samples, and information about synthesis, interoperability, and system monitoring and security.

Rather than focusing on comprehensive, textbook-sized, or voluminous reference guides, this book includes only the information that is usable immediately by the reader in a job search or IT career. In this regard, the book is much shorter than other publications on similar subjects.

For instance, a reader might want to find out about a completely unfamiliar area of IT. By skimming the table of contents and index, a reader can quickly understand the most important aspects of a particular area, according to the author.

Getting a Top Job in Information Technology, David Yardley. The broad range of opportunities available in IT coupled with the current skills shortage make it an ideal time to get involved or advance a career in this developing sector.

This book offers advice on succeeding in the world of IT, providing case studies, interviews with people working in the field, and profiles of major employers in the sector. With advice on key skills to develop and detailed information on specific elements of a wide variety of IT jobs, this book explains where to find the top jobs, how to get the top jobs, and how to get even farther on a career fast-track. The author also provides contact points, useful Web sites, and addresses.


Hacking the IT Cube: The Information Technology Department Survival Guide, Douglas Chick. This book is a straightforward and sometimes comical look into the everyday world of IT. It answers questions that many IT professionals and newcomers ask about the tools and skills needed to survive one of the most complex career fields in the world. Many computer books deal with configuring software and do little to help explain what’s necessary to work in a network office environment. Many people are rarely prepared for the social, political, or psychological aptitude needed to survive the office workplace. Many computer books are software proprietary and never explain what types of programs are essential for an IT worker to know.

Many of the topics in this book are situations based on the author’s experience and the experiences of other computer professionals who have worked in an IT department. The book also contains notes sent to the author from well-established IT professionals about their experiences.

This book is a mix of fact and story, humor, and frustration. Readers new to the IT field will find insights that only experience can teach. And seasoned veterans will laugh and cry at familiar situations.


2007 BDPA National Technology Conference

15-18 August 2007
Washington, DC

BDPA (Black Data Processing Associates) is a global, member-focused technology organization that delivers programs and services for the professional well-being of its stakeholders. The national conference is an annual forum dedicated to joining IT professionals with technology advances, and career and professional development opportunities. The mission is to provide access to innovative concepts in emerging technologies, theories, research, and education.

Workshops will include topics such as project management, nanotechnology advances, certification preparation, RFID technology, wireless networks, real-time communications, Web services, grid and distributed computing, XML, collaborative technologies, security and digital rights, and voice-over-Internet technologies.

Conference workshops are designed to support IT professional careers in information security management, database design and administration, project and program management, enterprise system analysis and integration, network system management, digital media games and DVDs, design and administration management, information architecture, and programming and software engineers.

BDPA was founded in 1975 by Earl A. Pace, Jr. and the late David Wimberly after the two met in Philadelphia to discuss their concerns about minorities in the data processing field. They perceived a lack of minorities in middle and upper management, low recruitment and poor preparation of minorities for these positions, and an overall lack of career mobility.

The founders built an organization of 35 members, hosted presentations to improve data processing skills, and launched a job opportunities announcement service. This nucleus has grown to more than 55 chapters throughout the United States and thousands of members.

Computer Science Career Guide

http://www.khake.com/page17.html

Explore careers in computer science with links on this Web site to job descriptions, which include information such as daily activities, skill requirements, salary, and the training required. To learn more about computer science or technology literacy, site visitors can follow the related links below the career descriptions section.

The Vocational Information Center aims to make existing career and technical online resources easier to find including career exploration and college planning, tutorials and learning resources for vocational students, skills for the work force, technical school locators, job market resources, career and technical education resources, vocational curriculum, vocational related lesson plans, and integrated academic resources.

ComputerJobs.com

http://computerjobs.com

Since 1995, ComputerJobs.com has been an employment Web site that focuses on the IT industry. The site lists thousands of searchable job opportunities categorized by major metropolitan markets and popular skill sets.

ComputerJobs.com, headquartered in Atlanta, Ga., and acquired by JobServe in 2006, lets job seekers post resumes and search for jobs using occupational and geographic information.

Consultant’s Corner is where individuals can pay a fee to post their available services to solicit employer contact.

Companies can search through a database of consultants to find someone who can provide needed services in a pinch.

ADVERTISER / PRODUCT INDEX MAY - JUNE 2007

<table>
<thead>
<tr>
<th>Advertiser</th>
<th>Page Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCS</td>
<td>8</td>
</tr>
<tr>
<td>Equity Press</td>
<td>53</td>
</tr>
<tr>
<td>Info Tech Employment</td>
<td>53</td>
</tr>
<tr>
<td>John Wiley &amp; Sons, Inc.</td>
<td>52, 56, 57</td>
</tr>
<tr>
<td>Kogan Page Ltd.</td>
<td>54</td>
</tr>
<tr>
<td>TheNetworkAdministrator.com</td>
<td>54</td>
</tr>
<tr>
<td>Newnes</td>
<td>5</td>
</tr>
<tr>
<td>University of Dallas</td>
<td>5</td>
</tr>
<tr>
<td>Classified Advertising</td>
<td>6</td>
</tr>
</tbody>
</table>

Boldface denotes advertisements in this issue.

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Boldface denotes advertisements in this issue.
Computer Designs

Computer Organization and Design: The Hardware/Software Interface, David A. Patterson and John L. Hennessy. The third edition of this textbook provides a basic introduction to the fundamentals of current computer designs. As the title suggests, the text skirts the border between hardware and software. After an overview of the subject and a discussion of performance, the book launches into technical matter such as instruction sets, how they are constrained by the underlying processor hardware, and the constraints on their design.

The authors explore program performance, analyze key performance issues from a programmer’s perspective, and offer “checkyourself” questions to help readers understand key points.

The “Computers in the Real World” section illustrates the diversity of applications of computing technology beyond traditional desktop and servers. The “For More Practice” section provides readers with additional problems to tackle. An “In More Depth” section presents new information and challenging exercises for advanced readers.

The authors cover the latest developments in architecture in “Real Stuff” sections, including IA-32, Power PC 604, Google’s PC cluster, Pentium P4, SPEC CPU2000 benchmark suite for processors, SPEC Web99 benchmark for Web servers, EEMBC benchmark for embedded systems, AMD Opteron memory hierarchy, and AMD vs. 1A-64.


Working Under the Hood

Hardware and Computer Organization, Arnold S. Berger. This book is an introduction to the architecture of modern microprocessors. The author aims to bring practicing professionals under the hood of a PC and provide an understanding of the basics.

It explains how hardware and software cooperatively interact to accomplish real-world tasks.

Instead of simply demonstrating how to design a computer’s hardware, the book provides an understanding of the total machine, highlighting strengths and weaknesses, explaining how to deal with memory and how to write efficient assemble code that interacts with and takes advantage of the underlying hardware.

The book emphasizes the ability to make real engineering decisions when working with anything from simple 8-bit microprocessors in embedded applications to PCs and workstations. It demystifies the link between the behavior of the code and operation of the machine, while helping engineers and students to understand the limitations imposed by finite speed and resources.

An accompanying DVD contains source code files for all the code examples used in the text, working demo versions of two different processor simulators, and video lectures from industry notables covering several of the major topics dealt with in the text.


TechSoup.org

http://www.techsoup.org/

Powered by CompuMentor, a nonprofit technology assistance agency, TechSoup.org offers nonprofit groups a one-stop resource for technology needs by providing free information, resources, and support. In addition to online information and resources, the site offers a product philanthropy service called TechSoup Stock. Here, nonprofits can access donated and discounted technology products provided by corporate and nonprofit technology partners.

TechSoup provides instructional articles and worksheets for nonprofit staff members who utilize IT, as well as technology planning information for executives and other decision makers. Introductory articles and a message board target those who do not have much experience using technology, but the site also provides more advanced information.

TechSoup has compiled a comprehensive body of information to promote computer recycling and reuse. The group provides resources for those who want to donate hardware, those who would like to acquire recycled hardware, and refurbishers.

By donating to a nonprofit or school-based refurbisher (rather than directly to, say, a school or charity), donors can ensure that their equipment reaches in good working order nonprofit organizations and schools. Refurbishers can install legal copies of software, wipe hard drives, and dispose of any nonusable parts, which can be expensive.

Nonprofit organizations or schools can acquire recycled hardware through refurbishers and recyclers. TechSoup recommends finding equipment this way, rather than soliciting donations directly, to save time and money and receive equipment that is appropriate for the necessary work.
**Systematic Computer Understanding**

The Architecture of Computer Hardware and Systems Software: An Information Technology Approach, Irv Englander. Some computer architecture books—too technical and complex—focus on specific technology, often bypassing basics and are outdated as quickly as technology advances. This introduction to computer architecture and systems software provides technical details as well as covering the basics.

Sections of the book cover principles of data, hardware, and software, with computer interconnection, clustering, and networking integrated into the material to emphasize the importance of computer and system structure. The author assumes only basic knowledge on the part of the reader, and these sections build up to an in-depth understanding of each topic and how they interrelate to make up a computer system.

With this third edition’s outstanding features, you’ll be able to build a solid foundation for success on the job.

The book discusses virtual storage, the operation of memory, and modern CPU architectures. It also provides programming examples that are written in a C++/Java-like pseudocode.

The author emphasizes the computer aspects of clustering and networking, rather than the data communication aspects, and provides an understanding of underlying, nonchanging basics of computers.


**Converging Networks**

Network Convergence: Services, Applications, Transport, and Operations Support, Hu Hanrahan. Telecommunications and information technology has, in recent history, converged services, technologies, and business models. Within telecommunications, the historic separations between fixed networks, mobile telephone networks and data communications are diminishing. Similarly, information technology and enterprise communications show convergence with telecommunications. These interrelations are driving the evolution of technology into next-generation networks providing new services and applications.

The book follows developments in operations support systems standards and links these to next-generation networks.

The author provides an accompanying Web site with PowerPoint presentations, a glossary, Web references, and tutorial problems.


**Mobile Communication International Conference on Embedded Systems and Computing**

3-5 August 2007
Bangalore, India

Consumer electronics are being dominated by mobile phones, PDAs, and many handheld devices. The emergence of such wireless networks as WiFi, Bluetooth, UWB, and WiMAX, as well as the 3G, and CDMA mobile standards has ushered in a new era in communication and computing. This conference will discuss innovations, experiences, and developments in these areas. The International Conference on Embedded Systems, Mobile Communication and Computing is being organized by the Mobile Communication and Networking Center of Excellence (MCNC).

This conference offers a conference brochure which gives all the details of ICEMC2 2007.

The conference will discuss topics such as wireless networks, including convergence of networks, future network technologies, theory and protocols, WiMAX, WiFi, Bluetooth, UWB, WLAN, and security and privacy. Conference tracks and sessions will explore applications and services, including mobile multimedia, location-based services and position, mobile TV, SDR and implementation technologies, man machine interface, mobile messaging, and digital rights management. Lectures will discuss topics such as systems, including mobile cellular systems future development. IEEE 802 systems evolution, spectrum policies, satellite systems, CDMA, WCDMA, GSM, 3G, and handover techniques. The conference will also cover coding, including speech/audio/video coding, MPEG, JPEG, JPEG 2000, Codec optimization, and turbo coding. Other topics the conference will cover include embedded systems, new features and innovations, and computing techniques.

http://www.pes.edu/mcnc/icemc2/cfp.html