

# SOFTWARE DEVELOPMENT INDUSTRY GUIDE

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In collaboration with



This is a guide to some of the resources available within the Business & IP Centre Glasgow relevant to the software development industry.

Inside you will find sources of information such as market research (statistics, trends, developments), key companies, trade magazines, newsletters, and Internet sources.

This guide will be useful to anyone starting a business within the software development industry and also for those wanting to further their knowledge within this area.

## Start-Up Information



The Cobra database contains practical fact sheets on all aspects of starting, running and managing a small business – including information on writing business plans, marketing, company structures etc.

It also covers the practical aspects of how to start and run particular types of businesses – outlining necessary skills, regulations, licences & legislation etc. and highlights other sources of information and advice available.

Cobra is available from the Glasgow Libraries online catalogue (Research 24/7 section) at [libcat.csghlasgow.org](http://libcat.csghlasgow.org). Library card number and PIN required for remote access.

### Business Opportunity Profiles

Web Designer	BOP347
IT Consultant	BOP427

### Mini Business Opportunity Profiles

Freelance App Developer	MBP447
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### Business Information Fact Sheets

Using the Copyright of Others	BIF157
Using Copyright to Protect Your Work	BIF218
Government Support for Research and Development in the UK	BIF513
A Guide to the General Data Protection Regulation (GDPR)	BIF536
Intellectual Property Licence Agreements	BIF537

### Sector Updates

IT, Digital and Tech	SEC018
Video Gaming	SEC037
Connected and Smart Home Technology	SEC038

## Sector Research Guides

Information Technology SRG006

## Business Legal Library

Copyright (Computer Programs) Regulations 1992 LEG186

Electronic Commerce (EC Directive) Regulations 2002 LEG248

Privacy and Electronic Communications (EC Directive) Regulations 2003 LEG368

## Sources of Business Information

Developers Alliance SOU536

Federation Against Software Theft SOU736

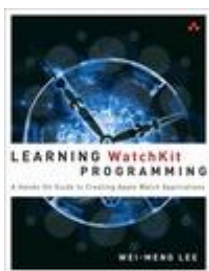
UK Web Design Association SOU776

Copyright Licensing Agency SOU965

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## Small Business Help Books

This is a collection of books with practical information aimed at those starting and running a business in the software development industry. The books listed below and other digital communications titles can be found in Glasgow Libraries online catalogue at [libcat.csghlasgow.org](http://libcat.csghlasgow.org).



**Learning WatchKit programming : a hands-on guide to creating Apple Watch applications (Wei-Meng Lee, 2015) [005.1 LEE]**

This book contains the fundamentals of Apple Watch development and WatchKit programming, from application architecture and design to navigation. It includes app storyboarding and testing on the Apple Watch Simulator.



**Software testing, an ISTQB-BCS certified tester foundation guide (Brian Hambling ed., 2015) [005.14 HAM]**

This book explains the basic steps of software testing and how to perform effective tests. It contains self-assessment exercises and guidance notes and reflects current technology and building apps for mobile devices. It is ideal for beginners wanting to gain more experience of effective software testing.



**Hands-on mobile app testing, a guide for mobile testers and anyone involved in the mobile app business (Daniel Knott, 2015) [005.276 KNO]**

This book provides information on the best methods for mobile app testing, how to create tests that reflect your customers, data networks, devices, and business models. It addresses the industry's rapid release cycles and the future of apps from testing wearables to connected home devices.



**The philosophy of software, code and mediation in the digital age (David M. Berry, 2015) [005.3 BER]**

This book is an introduction to the subject of algorithms, code and software that engages with their social and philosophical implications. This book has been written to appeal not only to people interested in the subject but also to those from a non-technical background who want to know more about the topic.



**Appillionaires : secrets from developers who struck it rich on the App Store (Chris Stevens, 2011) [005.3 STE]**

This book provides advice and case studies of professional app developers. Learn useful tips from professionals on a wide range of topics from structuring your creative process to creating buzz around launching your app.

## Market Research & Statistics

If you are planning on starting a business you will need to be aware of the latest trends, developments and opportunities within your industry which can all be found from market research.

Market research also covers market size and forecasts, consumer demographics and attitudes, the key players and products and will often include SWOT and PEST analysis showing areas of strength, weakness, opportunities etc.

British Standards Online is a service provided by the British Standards Institution and provides access to 27,000 historical, draft and current standards. Demonstrating compliance with these widely recognised standards provides a 'badge' marking you out from the competition no matter the size of your business.



UK Industry Reports:

- **App Development in the UK**
- **Computer Consultants in the UK**
- **Computer Game Publishing in the UK**
- **Cyber Security Software Publishing in the UK**
- **Software Development in the UK**
- **Software Publishing in the UK**

Access to **IBISWorld** is available within any Glasgow Library.



Marketline Industry Guides:

- **Games Software in the United Kingdom**
- **IT Services in the United Kingdom**
- **Software in the United Kingdom**

**Fame (Read Only)** is available within any Glasgow Library.

**Fame (Download/Export)** is available via password from the Mitchell Library.



First Research Industry Profiles:

- **Business Intelligence Software**
- **Computer Software**
- **Development Tools, Operating Systems & Utilities Software**
- **Entertainment & Games Software**
- **Information Technology Services**
- **Multimedia, Graphics & Publishing Software**

Worldwide Industry & Market Reports:

- **Worldwide Software Publishing Industry**
- **Worldwide Computer Systems Designs Services Industry**

**ProQuest** is available from the Glasgow Libraries online catalogue (Research 24/7 section) at [libcat.csghlasgow.org](http://libcat.csghlasgow.org). Library card number and PIN required for remote access.



**British Standards Online** holds standards relating to the software development industry. Titles include:

- **PD ISO/IEC TS 30103:2015** - Software and Systems Engineering. Lifecycle Processes. Framework for Product Quality Achievement.
- **BS ISO/IEC/IEEE 29119-1:2013** - Software and systems engineering. Software testing. Concepts and definitions.
- **BS ISO/IEC 14143-2:2011** - Information technology. Software measurement. Functional size measurement.

A read-only version of **British Standards Online** is available from the Glasgow Libraries online catalogue (Research 24/7 section) at [libcat.csghlasgow.org](http://libcat.csghlasgow.org). Library card number and PIN required for remote access.

Please note that many articles about the software development industry (from business journals and newspapers) are available from our electronic sources.

## Magazines and Journals

Useful for gaining inside knowledge, recent trends, industry news, company profiles, reviews of new products and services. Some contain annual reviews and company contact lists.



**Access to Research** gives free access to a wide range of academic articles and journals. Titles Include: *Advances in Engineering Software, Environmental Modelling and Software, Information and Software Technology, Pervasive and Mobile Computing, Simulation & Gaming, Software: Practice and Experience, Software Testing, Verification and Reliability.*

Searching and abstracts from articles from **Access to Research** is available from the Glasgow Libraries online catalogue (Research 24/7 section) at **libcat.csghlasgow.org**. Library card number and PIN required for remote access. Full articles available within any Glasgow Library.



**ProQuest** is a subscription only database contains trade journals and magazines. Titles include: *CPA Practice Advisor, GUI Program News, Linux Format, Game Developer, Productivity Software, Software Development.*

**ProQuest** is available from the Glasgow Libraries catalogue (Research 24/7 section) at **libcat.csghlasgow.org**. Library card number and PIN required for remote access.



**RBdigital eMagazines** is a great service which lets you read digital copies of your favourite magazines for FREE! Titles include: *3D World, Android Magazine, Apple Magazine, Computer Shopper, Macformat, Macworld UK, Net, PC Pro, Raspberry Pi for Beginners, RaspPi Magazine, Webuser, Wired.*

**RBdigital eMagazines** is available from the Glasgow Libraries catalogue (eReading 24/7 section) at **libcat.csghlasgow.org**. Library card number and PIN required for remote access.





Visit General Services, Level 4 at The Mitchell Library, for software development magazines and journals. Titles include: *Computer Active*, *Electronics World*.

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## Internet Sources

Websites containing sources of industry statistics, information and contacts.

### **Business Application Software Developers Association**

BASDA is a membership organisation representing software developers in the UK giving access to specialist interest groups and business networking events. The BASDA community offers knowledge sharing and support with any software development issues.

[www.basda.org](http://www.basda.org)

### **BCS**

A membership body representing IT professionals worldwide. Membership benefits include networking opportunities, advice about career development and inclusion in the BCS directory of members. Content includes event listings and news articles.

[www.bcs.org](http://www.bcs.org)

### **Developers Alliance**

The Developers Alliance is a leading advocate for software developers and related sectors. Members include industry leaders in consumer, enterprise, industrial, and emerging software, and a global network of more than 70,000 developers. Their website contains news, industry reports, blogs and a member directory.

[www.developersalliance.org](http://www.developersalliance.org)

### **Digital Europe**

The major advocacy group of the European digital economy acting on behalf of the information technology, consumer electronics and telecommunications sectors.

[www.digitaleurope.org](http://www.digitaleurope.org)

### **Learning Tree**

Learning Tree offers classroom-based and distance-learning courses. Topics include software applications, big data, cloud computing, cyber security, and networking and virtualisation.

[www.learningtree.co.uk](http://www.learningtree.co.uk)

### **Tech Republic**

An online resource for IT professionals including web designers that includes blogs, forums and webcasts on IT issues.

[www.techrepublic.com](http://www.techrepublic.com)

### **TechUK**

Represents the companies and technologies that are defining today the world that we will live in tomorrow; has more than 850 companies, ranging from leading FTSE 100 companies to new innovative start-ups, the majority being small and medium sized businesses.

[www.techuk.org](http://www.techuk.org)

### **UK IT Association (UKITA)**

UKITA is a membership organisation representing the IT sector, including consultants and cloud service providers, programmers and web developers. The organisation is run by real business people who deal with the real activity of the Tech, IT and Digital sectors every day.

<https://ukita.co.uk>

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The Business & IP Centre Glasgow supports entrepreneurs and innovators from that first spark of inspiration to successfully launching and growing a business. With Centres in London as well as in [13 local libraries around the country](#), help and guidance is easy to access. The Business & IP Centre Glasgow has a team on hand to help guide you through intellectual property through workshops, one-to-one sessions, as well as being on hand in the Centre itself. [Visit the website](#) to see how we can help you take the right steps to start up, protect and grow your business.

Please note that every effort has been taken to ensure the accuracy of the information contained in this document, however some recently acquired items may since have been added to the collection. Please ask for help at the enquiry desk or check the online catalogue at [libcat.csghlasgow.org](http://libcat.csghlasgow.org) for more details.

### Contact us

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