
Chris Cooper

Intermediate Software Developer

khriskoooper@hotmail.com
linkedin.com/in/khriskoooper
(603) 689 4387

Highly collaborative software developer currently specializing in back-end web development for a variety of international publishers. Enjoy solving problems both individually and in a group setting, implementing simple, pragmatic solutions wherever possible. Previous experience in audio technology, game design and leading a team.

SKILLS

Eclipse / VS Code, Java, Maven / Gradle, Spring, Hibernate, SQL / PostgreSQL, Jenkins, Vagrant, JUnit, Ansible, Tomcat, Apache, dotCMS, Pingdom, Dynatrace, SonarQube, AVECtra, Solr, HTML / Freemarker, JQuery / JavaScript, Git / GitLab Pages, ServeBase, Linux / Windows, Agile / Kanban.

EXPERIENCE

John Wiley & Sons Ltd - *Software Developer*

July 2014 - June 2018

- Wiley Online Library 2.0: delivering reliable, high-traffic websites for major journal publishers (AGU, Physoc, AnthroSource). Enabled the assembly of over 25 websites on time and on budget, generating over \$100m in revenue for Wiley.
- Developing Spring-wired OSGI plugins for dotCMS - product maintenance, new feature design and implementation (e.g. integrated a third party authentication service, various user configurable widgets to display custom content, advanced search functionality utilizing in-house database service APIs), deployments, debugging and bug fixing.
- Monitoring production environment, investigating issues and collaborating across multiple teams and timezones to resolve.

Semantico Ltd (now Highwire Press, Inc) - *Software Engineer*

September 2011 - July 2014

- Maintained and modernized DawsonERA for Bertrams Books Ltd (rebuilt the front end for the responsive web, internationalized whole site, implemented custom Solr plugin to cache institutional access details, helped migrate from COUNTER 3 to 4 reporting, added customization such as My Favourites, Recently Viewed, etc. Implemented a fully functional commentary system using JQuery and AJAX, and improved advanced search functionality with faceting, saved searches and infinite scrolling).
- Learned agile development practices in a fast paced environments, reporting to team lead and project manager on a daily basis.

Zoe Mode Ltd - *Lead Game Designer*

November 2007 - May 2010

- Led a team of 12 gameplay designers in a lead role for 6 months, before the project was cancelled by Activision. Sent to Neversoft for team knowledge transfer session in L.A.
- Scripting MIDI for Guitar Hero IV and V downloadable content packs. (Xbox 360 / PS3).
- Designer on Rock Revolution and several unpublished concept pieces (Xbox 360 / PS3).

EDUCATION

University of Kent - *MSc Computer Science (with honours)*

September 2010 - September 2011

- Dissertation based on automatic crossword solving resulting in a software solution consisting on a variety of pluggable solving modules and solving algorithms. Wrote a custom web crawler to scrape the Guardian website of thousands of crosswords (with permission). Reached up to a 96% correct solving accuracy.
- Modules studied include: Logic Theory and Practice with Prolog, Systems Architecture and Hardware, Advanced Java Programming and Object Oriented Design, Business Requirements and Relational Database Design, Software Engineering.

Leeds Metropolitan University - *Audio Technology*

September 2003 - September 2005

- Dissertation based on music theory tutoring software. Produced a graphical music notation suite of utilities using BlitzPlus. Highlights include editing of note and chord sequences on a dynamically updating manuscript simulation, much like Notator / Sibelius.
- Modules studied include: Music Software Development, Acoustics and Psychoacoustics, Recording Techniques, Sound Synthesis, Electronics, Experimental Composition.

PERSONAL ACHIEVEMENTS

Dare to be Digital - *Lead Audio Developer*

July 2005 - October 2005

- Dare to be Digital is an international, industry recognised, 10 week intensive game development competition held in Dundee, UK. I was chosen, along with 4 others, to represent the Yorkshire region having studied at Leeds Metropolitan University.

Freelance Development - *Developer*

May 2008 - Present

- The Circle of Fifths Explorer - Flash / Actionscript based Music Theory tutoring application.
- Android apps accumulating over 5 million downloads with a 4.3 star average user rating.
- Developed and published several static websites for friends and family.

Advanced Certificate and Grades 1 - 8, Piano Performance - *ABRSM examining board*

Grade 6, Classical Guitar - *ABRSM examining board*