# Chris Cooper
## Mid-level Software Developer

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

Highly collaborative software developer currently specializing in front-end test automation using Java, Cucumber and Serenity. Enjoy solving problems both individually and in a group setting, implementing simple, pragmatic solutions wherever possible. Previous experience in back-end web development, game design and leading a team.

## SKILLS

Eclipse, Java, Maven, Spring, SQL, Jenkins, JUnit, Cucumber / Selenium, Tomcat, Apache, Git, Dynatrace, SonarQube, Avectra, Solr, HTML / Freemarker, JQuery / JavaScript, Bash / Scripting, Linux / Windows, WinSCP, Putty, Agile / Scrum, JIRA, Confluence, Teams / Slack.

## EXPERIENCE

**Fidelity Investments** - *Software Engineer in Test*

September 2018 - Present

- Delivering robust front-end test automation using Java, Cucumber and Serenity.
- Extended automation framework with various time-saving tools. Examples: Jenkins job to track result changes between test runs, and send out HTML emails with links to JIRA stories / Serenity reports for faster debugging. Java tool to generate comprehensive Cucumber feature files from JIRA stories. Sets of reusable generic functions.
- Helping with manual regression testing during major release cycles.
- Advising team on technical best practices, mentoring and training team members.
- Responsible for compliance of the squad's testing effort to ensure coverage during audits. Communicating QA / Compliance initiatives to squad, writing stories for the backlog. Raising bugs during the development process.

**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. Examples: Rebuilt the front end for the responsive web using JQuery, AJAX and Spring MVC. Implemented custom Apache Solr plugin to cache institutional access details. Improved advanced search functionality with faceting, saved searches and infinite scrolling.
- Learned agile development practices in a fast paced environment, reporting to team lead and project manager on a daily basis.

**Zoe Mode Ltd** - *Lead Game Designer*

November 2007 -  May 2010

- 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 of 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 (Basic).
- Modules studied include: Music Software Development, Acoustics and Psychoacoustics, Recording Techniques, Sound Synthesis, Electronics, Experimental Composition.

## PERSONAL ACHIEVEMENTS

**Certified Scrum Master (2019)** - *Scrum Alliance®*

**Freelance / Personal  Software Development**

- The Circle of Fifths Explorer - Flash 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*