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## Relevant Experience

- October 2022–May 2023 **Developer Advocate**, *Code Intelligence*, Bonn/Remote, Germany/Canada.  
As a developer advocate at an early-stage startup, I focused on content engineering. This included written and video content based on fuzzers generally and Code Intelligence's main product ClFuzz in particular.
- March 2018–August 2022 **Solution Architect**, *Sauce Labs*, San Francisco/Remote, USA/Canada.  
In this customer-facing role, I provided post-sale technical guidance and advice to enterprise customers working with Sauce Labs. This included developing best practices for Sauce products, troubleshooting test automation issues and demoing new and existing features to existing customers.
- April 2017–February 2018 **Test Developer**, *JUICE Mobile*, Toronto, Ontario.  
I worked with a programmatic advertising platform, primarily developing a service-level or API test framework in Python. I worked on a team of 10 developers as an "embedded" test development specialist.
- October 2010–October 2016 **Test Developer**, *CaseWare International*, Toronto, Ontario.  
I worked primarily with the CaseWare Time product. I wrote and maintained automated regression and acceptance tests, emphasizing maintainability in my test code. This included working with Java-based Selenium tests for Time on the Go, Time's web-based version and SilkTest suites for Time, the primary desktop product.

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## Education

- 2007-2009 **MSc - Applied Mathematics**, *The University of Western Ontario*, London, Ontario.  
Research area: Mathematical Biology
- 2003-2007 **BSc - Mathematics**, *Trent University*, Peterborough, Ontario.  
Dean's Honour List, 2003-2007

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## What I'm Looking For:

- Test Automation and Architecture: I've worked at all levels of the test automation pyramid and would like to continue to do so
- Python: for web development, test automation and more, I've been working with Python professionally for 8+ years
- DevSecOps: Automated tooling and security go hand-in-hand, and fixing bugs is no different from fixing security vulnerabilities
- Application Security: Helping application developers and teams find and triage security issues quickly and as early as possible, and building the tools for developers to do so

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## Tools I Love

- JetBrains, for Java development in IntelliJ
- Visual Studio Code, for all other programming languages and prose
- Camtasia, for creating captivating video content
- Cl Fuzz, probably the multi-language fuzzer with the best developer experience
- PyTest, a great test automation framework and runner
- Taking short walks along the lake, for excellent debugging

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## What I've Done, in Chronological Order

- Built and maintained a medium-large Java-based test framework for a project management web application of approximately 1000 tests. This framework used Selenium with TestNG and achieved partial parallelization.
- Built a unit test suite for an open source project called Proselint, writing approximately 50 test functions in Pytest.
- Built an API test framework for a programmatic ad platform product using Python. This tested the API layer of the internal application using approximately 200 tests with Pytest and requests.
- Designed and delivered a standard presentation on best practices in Continuous Integration/Continuous Deployment. This presentation was delivered as part of solution architect work to enterprise company customers such as Accenture and at tech conferences such as Targeting Quality by KWSQA.
- Designed and delivered a presentation called "What the Fuzz? An Introduction to Fuzz Testing". This talk was delivered at multiple meetups including PyLadies Toronto and BSides Rochester.

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## Interests

Food I enjoy eating and cooking food of all kinds. Currently living in Toronto which an excellent food city overall.

Art Current interests include work by Agnes Martin and Louis Kahn.

Being Online I am quite active on social media, including Twitter *@joshin4colours* and Mastodon *mastodon.social/@joshin4colours*