Joshua Grant

Relevant Experience

October 2022–May 2023

Developer Advocate, *Code Intelligence*, Bonn/Remote, Germany/Canada.
As a developer advocate at an early-stage start up, I focused on outreach and education, creating Java-based examples for CI Fuzz, a DAST fuzz testing tool.

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. 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.

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

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
- Java: I have worked on several projects using Java, becoming proficient with both Java language programming and the Java tool ecosystem
- 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
- Championing Quality: Working with and coding with other team members, between and within teams
- Working with Systems at Scale: Scaling and maintaining large systems is an interest of mine from a quality point of view

Tools I Love

- Java, for professional software development
- CI Fuzz, for cross-language fuzz testing
- Postman, for API testing and exploration
- Selenium, for automating web applications, for testing and otherwise
- JetBrains, for Java development in IntelliJ
- Camtasia, for creating captivating video content
- Taking short walks along the lake, for excellent debugging

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 tests as a basis for testing in that project.

○ Built an API test framework for a programmatic ad platform product. This tested the API layer of the internal application using approximately 200 tests.

○ Contributed to example Java projects at both Sauce Labs and Code Intelligence

○ Designed and delivered a standard presentation on best practices in Continous Integration/Continous Deployment. This presentation was delivered as part of solution architech 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.

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*