MOGENS BRØDSGAARD LUND

Mathematician, Software Development Engineer in Test (SDET), Developer

CONTACT

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EDUCATION

MASTER OF SCIENCE (Mathematics)
Aarhus University | 1999-2005
Average grade: 10.1

Master Thesis:
Perron-Frobenius theory on Iterated Function Systems.
(Grade: 11)

Bachelor Project:
Measures and Fractal Image Compression.
(Grade 11)

SKILLS

- Technical test
- Test automation
- WebDriver
- Selenium
- Mocha
- Postman
- TestComplete
- Clojure
- Lisp
- Java
- NodeJS
- Python
- Mathematics
- Statistics
- Machine Learning
- Data Science
- Emacs
- Knowledge about Autism

PROFILE

I am a problem solver with passion for quality. I just like beautiful solutions to hard problems.

I am a mathematician, but have spend most of my professional life working as a technical tester with a lot of focus on test automation.
I have tried almost any setup within the world of test automation, from extensive gui tests running in parallel to API tests as part of a continuous deployment pipeline.
I have a lot of experience setting up test automation from scratch.

I know a handful of programming languages, where Clojure is my favorite ❤

I am primarily looking for jobs as SDET
(Software Development Engineer in Test).
Or more specific: As a developer with special focus on test and testability.

Due to the circumstances in my family, I will prefer to start working at around 20-30 hours pr. week. But I am flexible as long as it is a win-win for work and family.

WORK EXPERIENCE

AT HOME PARENT
At home | 2021-2022
Being at home, while my daughter, who has been diagnosed with autism, recovered from a stress breakdown.
Restructuring daily life to more suitable for a family with an autistic child.

TEST LEAD
SOS International | 2018-2021
Testing strategy for SOS Dansk Autohjælp IT department.
Automated test using JavaScript, Cypress.io, webdriver.io, Selenium, Clojure.
API tests using Postman, NodeJS and Clojure.
Docker and OpenShift.

SENIOR TEST SPECIALIST
Salling Group | 2017-2018
Testing in scrum teams.
Supporting development with setup for automated tests.
Test were running in OpenShift for both backend and frontend with use of NodeJS and Mocha.

INTERESTS

- Soccer
- Programming
- Testing
- Learning
- Photography
- Mathematics
- Science
- Salsa

QA ENGINEER
Stibo System | 2011-2017
Testing in scrum teams.
Creation, optimization and parallelization of automated tests.
TestComplete, Java, Clojure, Selenium WebDriver.
Windows, Mac and Linux machines.
Main business areas have been WebUI, Data Quality and Automotive.
One of my biggest contributions was a test runner capable of combining tests targeting a java client, web frontends and APIs together with different build configurations. For further optimization I had to implement some hacks to TestComplete to allow dynamic allocation of virtual PCs to consume the tests. Multiple testsuites taking 24+ hours to execute each were able to be completed within a couple of hours.

QUALITY- AND DEVELOPMENT CONSULTANT
Magnus Informatik A/S | 2007-2011
Testing financial software. Test Automation. Java development.
Testing core tax calculation functionality as well as rich application and web UIs.
I started as manual tester, but introduced test automation to speed up the process.

HOTLINE
TDC | 2006-2007
Helping people with internet problems.

INSTRUCTOR
Aarhus University | 2003-2004
Teaching mathematics to first year students.

COURSES

- 2014 Rapid Software Test with James Bach
- 2008 Struktureret Test
- 2006 Mediespinder

SOME COURSES FROM MATH STUDY

- Probability theory
- Programming
- Datastructures and algorithms
- Cryptology
- Statistics
- Algebra
- Geometry
- Topology
- Analysis
- Geometric structures on surfaces
- Fractal theory
- Algebraic curves
- Elliptic functions
- Representation theory
- Combinatorics