Tom Folta

Portfolio: **tomfolta.com**

Work Experience

November 2015 - Present **Amazon Product Quality-** *Software Development Engineer 2*

    o Work on team using Agile methodology tasked with detecting, measuring, and enforcing against Amazon sellers that do not meet Amazon's bar of authentic, safe, and fit for purpose products.

    o Lead design and development of a new service workflow that takes infringement reports and augments them with additional information to make informed decisions for automatic actions or create manual investigations when unable to reliably determine an action. New system decreased manual investigation load by approximately 10-15%. *(Java, AWS SWF, Coral Service Framework)*

    o Develop and maintain manual investigation portals as well as Retail Website endpoints for infringement complaints. *(Perl, Mason, Coral, Java)*

    o Develop and maintain various backing services that automatically take actions on defects and provide product quality information to other internal teams within Amazon. *(Java, AWS S3, AWS SWF, DynamoDB, Oracle, Coral)*

June 2013 - October 2015 **Nokia - *R+D Software Engineer***

    o Work in a team of 4 developers and 2 QA testers using Scrum Agile methodology focusing on incidents

    o Led design and development of a new configuration based job system for large scale incident data intake. New system increases incident processing load per node by more than a factor of 3 and decreases new collector development time to less then 10% of original development time *(Scala, Akka, Camel, RabbitMQ)*

    o Develop and maintain large scale data collectors to aggregate worldwide incident data *(Java, Spring, Camel, RabbitMQ)*

    o Transition legacy incident collectors to new framework that allows quicker development, simpler deployments, and higher availability *(Java, Spring, Camel, RabbitMQ, Tomcat)*

    o Develop and maintain service that aggregates incident data from collectors and enriches data to common api format delivered to other internal services and B2B clients *(Java EE, JBoss, Spring, MongoDB, RabbitMQ, Oracle)*

January 2013 – May 2013 **Nokia - *Engineer Intern***

    o Work in a team of 3 developers and 1 QA testers using Kanban Agile methodology

    o Transition incident data collectors to new data center

    o Develop new additions to large scale incident data collectors *(Java EE/Spring)*

    o Support and maintain legacy production data center *(CentOS)*

    o QA testing and performance analysis of data collectors

May 2011 - Present **DealTracker.co - *Software Engineer***

    o Develop configurable web scraping system to fetch, aggregate, and enhance deals around the web *(PHP, MySQL)*

    o Create frontend to interface with deal data in an intuitive manner *(PHP, MySQL, HTML, CSS, JavaScript)*

Education

Illinois Institute of Technology, Chicago, Illinois Professional Bachelor of Architecture August 2008 - May 2013

o Computer Science Minor, Business Minor, Digital Design Specialization

o WishMap IPRO (Inter-professional project)

    - Led the engineering team in Agile methodology on a Nokia Sponsored Project focusing on community improvement and issue identification

    - Created a platform where issues and problems could be geo-tagged and then presented to the community for voting and sponsorship

Skills

Languages	**Database**
English: Fluent, Polish: Fluent	MySQL, Oracle, MongoDB, DynamoDB
Software Development	**Deployment Automation/Continuous Integration**
Scala, Akka, Java, Python, PHP, AWS Tools	Puppet, Maven, SBT, Jenkins, Electric Commander
Testing	**Server Architecture**
JUnit, Scala Test, Mockito, Selenium	Unix, Apache HTTPD, Nginx, Jboss, Tomcat, RabbitMQ, Nagios
Web Development	**Versioning**
HTML, CSS, Django, JavaScript, Rest/Soap	Git, Subversion