

CONTACT



* OCATION
* ANGUAGES



WORK EXPERIENCE



**2014-06-22 TILL 2015-06-01**



**2013-09-25 TILL 2013-12-21**

Jeremy Moseley

Backend Engineer

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**Region** WA

**English**

**Import/Export Software Engineer 3** at[**Inkling Systems Inc.:**](https://www.inkling.com/)

The Import/Export squad manages all methods for bring content into and out of the Inkling platform, providing infrastructure for converting content from Word to HTML, HTML to EPUB and PDF, as well as conversion to internal formats for Inkling's internal readers.



Reduced content export errors by 10%, increasing customer satisfaction and reducing customer support overhead.



Architected a new microservice using the Play framework and an SQS task processor to provide a scalable worker system to allow easy scaling for demand



Developed a successful Seattle intern program



Technology: Scala, Java, Play, AWS, SQS, Postgres, Python, XML

**Infrstructure Engineer** at[**Inkling Systems Inc.:**](https://www.inkling.com/)

The infrastructure team manages infrasturcture tooling and AWS deployment of the Inkling stack. Supports other engineering teams to make deployment and infrastructure management more reliable and easier to work with.



Implemented a state-of-the-art distributed log systems that handles 30 million events a day.



Migrated Inkling's deployment and packaging system to Docker Signi cantly reduced downtime caused by deployments

Increasing engineering e ciency when developing and deploying new services



Operated as a member of the emergency on-call rotation Technology: Scala, AWS, Python, Bash, Postgres, Docker



**Platform Engineering Intern** at[**Inkling Systems Inc.:**](https://www.inkling.com/)

Developed and deployed an XML database, and developed supporting features in the core Python API



Wrote complex XQuery scripts and API interfaces Technology: BaseX, XPath, XQuery, XML, Python





**2012-10-01 TILL 2013-08-31**



**2012-01-03 TILL 2012-08-31**

EDUCATION



**2009-09-01 TILL 2014-05-31**



**2006-01-03 TILL 2007-12-22**



SKILLS



INTERESTS

**Part-time Developer** at[**Internet Shakespeare Editions:**](http://ise.uvic.ca/)

Part-time member of a team while in studying, using XQuery and XPath to maintain and develop new features for a long-term academic project. Desinged a mobile experience, as well as used XQuery and XPath to process and transform marked up content in a variety of interesting ways, depending on how the content was being consumed.



Designed a mobile- rst experience from scratch



Wrote complex and performant XQuery scripts to transform marked up content on the y for mobile consumption



Technology: eXistDB, XPath, XQuery, XML, CSS, Javascript

**Co-op Engineer** at **Vineyard Networks:**

Developed deep packet inspection (DPI) plugins for a software package that runs on network hardware.



Analyzed raw network tra c to extract patterns for various tra c types (HTTP, TCP, UDP, etc)



Designed code to analyze Facebook, Google, Steam, and a variety of other application streams



Technology: C++

**University of Victoria**

**SAIT Polytechnic**

**Development Tools:** Intellij, PyCharm, Sublime Text 2/3, Maven, Git, SVN, SBT

**Distributed Systems** (intermediate): Queues, Shared Memory, Databasees,Redis, SQS, RabbitMQ, Memcache, Sharding, Distributed System Design, APIs, API Design

**Languages/Frameworks:** Play, Slick, Scala, Java, Bash, Javascript, ES6, Python,XQuery/XPath, XML, Meteor JS, Bootstrap, PHP

**Database** (intermediate): MySQL, PostgreSQL, ORM, Slick, SQLAlchemy **Cloud** (intermediate): AWS, EC2, S3, Route53

**mountain biking:**

**technology:** technology, research, user experience, future