Jeremy Moseley

Backend Engineer

Contact

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Location

Address

Jeremy Moseley 16540 Linden Ave. N Seattle, WA 98133

Postal Code & City   98133 Seattle

Region   WA

Languages

English

Work Experience

Import/Export Software Engineer 3 at Inkling Systems Inc.:

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

2014-06-22 till 2015-06-01

Infrstructure Engineer at Inkling Systems Inc.:

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
- Significantly reduced downtime caused by deployments
- Increasing engineering efficiency when developing and deploying new services
- Operated as a member of the emergency on-call rotation
- Technology: Scala, AWS, Python, Bash, Postgres, Docker

2013-09-25 till 2013-12-21

Platform Engineering Intern at Inkling Systems Inc.:

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	**Part-time Developer** at Internet Shakespeare Editions:
	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-first experience from scratch
- Wrote complex and performant XQuery scripts to transform marked up content on the fly for mobile consumption
- Technology: eXistDB, XPath, XQuery, XML, CSS, Javascript

2012–01–03 till 2012–08–31	**Co-op Engineer** at **Vineyard Networks:**
	Developed deep packet inspection (DPI) plugins for a software package that runs on network hardware.

- Analyzed raw network traffic to extract patterns for various traffic types (HTTP, TCP, UDP, etc)
- Designed code to analyze Facebook, Google, Steam, and a variety of other application streams
- Technology: C++

Education

2009–09–01 till 2014–05–31	**University of Victoria**

- Bachelor: *Software Engineering (6.39)*

2006–01–03 till 2007–12–22	**SAIT Polytechnic**

- Associates Degree: *Computer Engineering Technology (3.9)*

Skills

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

Interests

mountain biking:

technology: technology, research, user experience, future