Alexander Moore-Niemi

Software Engineer

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Objective

Transition to systems programming.

Keywords

Languages	Java, Python, Ruby, Shell, Rust (Learning)
Tech	Elasticsearch (Expert), Lucene, Unix, AWS, Spark, Kubernetes, Pandas, scikit-learn
Domains	Big Data, NLP, REST, APIs, MLOps

Professional Experience

2017 –	**Software Engineer II**, AMAZON, Boston. Search based / Web based question answering for Alexa. On call engineer.
2020	Work with Applied Scientist on Rust POC search engine.
2020	Presented paper on spam filtering in AMLC (Amazon Machine-Learning Confernece), 2nd author.
2020	Cut cost in half (millions of dollars per year) of Elasticsearch infrastructure while improving performance.
2020	Spark infrastructure for indexing hundreds of millions of documents.
2017-2019	RPC services in Java and Python.
2016 – 2017	**Software Developer**, RAIZLABS, Boston. Building scalable, performant cloud APIs to serve custom built mobile apps.
2014 – 2016	**Software Engineer**, ZIPCAR, Boston. Used Ruby and Java to build distributed systems with a REST architecture. On call and release engineer.
2016	Contributed microservices in Java/Go during rewrite using inhouse SOA framework.
2015	Work on core platform to support secure vehicle mobile unlock.
2014	Extended "fleetsharing" with Avis cars while also improving vehicle availability.
2013 – 2014	**Junior Software Engineer**, PROMOBOXX, Boston. Development on front end and back end services in Ruby on Rails and Javascript integration.
2012 – 2013	**Marketing Automation**, WORLDONE INTERACTIVE, Boston. Used R for NLP on physician discussion, scripting for marketing automation.

Education

2019	**Certificate: Machine Learning University ("MLU") Math**, *Amazon*, Boston.
2012	**Certificate: Computation and Algorithms**, *MIT*, Boston.
2004–2009	**BFA Media Production**, *Emerson College*, Boston, Graduated with honors.