

# 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 Conferenece), 2nd author.

2020 Saved millions of dollars by reducing cost of search 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**, PROMOBOX, 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.