

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
Domains Big Data, NLP, REST, APIs

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

- 2012 **Certificate: Computation and Algorithms**, MIT, Boston.
- 2004–2009 **BFA Media Production**, Emerson College, Boston, Graduated with honors.