

Alex Kudlick

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Summary

Architect, Full-Stack Engineer, Technical Leader

Skills

Languages: Java, Ruby, Javascript, Python, R

Frameworks/Libraries: Django, React, Angular, AWS, Ruby on Rails

Professional Experience

Rescale, Inc.

2/18 - Present

Development Team Lead (promotion)

Rescale runs HPC simulation workflows in the cloud.

- Managed a team of three junior engineers
- Broke down tasks from user stories to distribute amongst the team
- Mentored each team member to facilitate technical growth

Rescale, Inc.

8/14 - 2/18

Senior Full Stack Engineer

Rescale runs HPC simulation workflows in the cloud.

- Architected and built Java backend managing customer VMs and workloads
- Handled concurrent execution across hundreds of nodes
- Worked up and down the stack using Django REST APIs, React, Angular, Java
- Led weekly meetings on best practices

Shop It To Me, Inc.

11/12 - 8/14

Software Engineer

Shop It To Me is an online personal shopping assistant, providing an email that alerts users when their favorite brands go on sale in their size.

- Ruby on Rails web development in agile product cycles
- Implemented performance optimizations using SQL and algorithm analysis
- Used HTML 5, CSS 3, and Ember.js to build rich UIs
- Led discussions on best practices and object oriented design
- Managed virtual servers on Amazon EC2 with Chef for extra processing

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Public Library of Science

12/10 - 11/12

Software Engineer

PLOS is a nonprofit scientific journal that publishes research online, with open access content rights.

- Helped lead the conversion of the website to a MySQL database with Hibernate
- Designed MySQL database schema
- Used JDBC and Spring-JDBC to access database with SQL
- Wrote backend queueing systems using Apache Camel and ActiveMQ
- Followed object oriented patterns for readable, reusable code
- Used Python scripting to automate tasks

City Car Share

08/10 - 12/10

Application Developer

City Car Share is a Bay Area nonprofit dedicated to reducing the number of cars on the road through carsharing.

- Developed a ridesharing java web application with Hibernate, Struts2
- Integrated the application with Google Maps Javascript API
- Used jQuery to create interactive web pages

Brighterion, Inc.

07/09 - 07/10

Data Analyst

Brighterion provides real-time credit card fraud risk analysis.

- Used machine learning techniques to analyze credit card fraud trends
- Wrote Oracle SQL queries to
- Used command line Unix/Solaris scripts to automate tasks

Education

UC Berkeley Mathematics BA, May 2009

- Graduated with High Honors
- Wrote a senior thesis, "Introduction to Maharam's Problem"

UC Berkeley Stats 132 Intro to Machine Learning, Summer 2011

- Evening/Night class on Machine Learning basics
- Used R and Python to classify scientific articles into subjects