

# Asif Makhani

Head of Engineering, Amazon CloudSearch

asif@alumni.stanford.edu

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## Experience

### **Head of Engineering, Amazon CloudSearch at A9.com (Amazon.com)**

January 2010 - Present (2 years 8 months)

- Built Amazon CloudSearch (<http://aws.amazon.com/cloudsearch>). Drove the product from inception to launch, driving decisions in all areas (architecture, features, marketing, pricing, etc).
- Responsible for Product roadmap and development. Managing teams of Leaders, Program Managers, and Engineers across Palo Alto, Bangalore, and Iasi (Romania)

### **Engineering Manager, Search Indexing at A9.com (Amazon.com)**

October 2006 - August 2010 (3 years 11 months)

- Reporting to the Vice President of Amazon Product Search, managing a team of project manager and engineers responsible for building a distributed and scalable search indexing system (>100M documents) to power Amazon Product Search.

### **Sr. Software Design Engineer at Amazon.com**

October 2001 - October 2006 (5 years 1 month)

- Designed and implemented core relevancy and indexing features in the search engine, including proximity ranking and near real-time indexing support.

### **Software Engineer at Microsoft**

August 2000 - December 2000 (5 months)

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## Education

### **Stanford University**

MS, Computer Science, 2006 - 2010

### **University of Waterloo**

BMATH, Computer Science / Software Engineering, 1996 - 2001

Activities and Societies: Ismaili Student Association, Pakistani Student Association, Engineers Without Borders

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## Publications

### **Query Segmentation using Supervised Learning**

2008

Authors: Asif Makhani

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## Patents

### **Selection of search criteria order based on relevance information**

United States Patent 7765227 Issued March 30, 2007

Inventors: Asif Makhani

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## Volunteer Experience

### **Chairman at Aga Khan Education Board (AKEB)**

July 2009 - July 2012 (3 years 1 month)

- Chairman of the education board for the Western region spanning 11 states and over 200 volunteers working on improving the quality of life through excellence in education for the community.
  - Responsible for the guidance and execution of strategic initiatives including Early Childhood Development and Academic Counseling.
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## Skills & Expertise

**Hadoop**

**Scalability**

**Distributed Systems**

**Amazon EC2**

**Natural Language Processing**

**Amazon Web Services (AWS)**

**Machine Learning**

**MapReduce**

**Algorithms**

**Technical Leadership**

**Enterprise Search**

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[Contact Asif on LinkedIn](#)