

# Milind Mathur

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## OBJECTIVE

To design and build scalable, distributed backend systems and have a positive impact on the business by solving challenging real world problems.

## WORK RECORD

- **Amazon.com LLC (07/2014 to present)** Seattle, WA  
*Software Development Engineer (Amazon Video)*
  - Designed and maintain a distributed service that orchestrates signup pipelines from the website and all devices.
  - Designed a notification system for Amazon Video.
  - Designed and own the system powering auto targeted ads on 3p websites.
  - Working with amazon web services and elastic search.
  - Developed “on device subscription flow” for android (Fire TV).
  
- **Epic Systems Corporation (10/2013 to 06/2014)** Verona, WI  
*Software Developer*
  - Distributed back end development with the ‘M’ language and cache.
  - Designed flows for outpatient entry
  
- **Free-Lancing**  
**Driving Software for [www.electronicdeadbolt.com](http://www.electronicdeadbolt.com)**
  - Antipiracy software that bundles target files in a jar and provides for registration and authorized access only. It is aimed for mac and windows and uses MySQL backend with swings UI.

## EDUCATIONAL RECORD

- **Masters (M.Tech.) in Computer Science and Engineering (8.92 CGPA; 2013)**  
Delhi Technological University (DTU) – Delhi, India.  
**Dissertation: Analysis of Lempel Ziv Coding via Common Unified Device Architecture (CUDA)**  
Comparative study of LZ77, LZSS and LZ4 algorithms when run as a single thread and as massively parallel threads in the GPU.
  
- **Bachelors (B.Tech.) in Computer Science and Engineering (2010)**  
Rajasthan Technical University (RTU) – Kota, India.  
**Internship:** 60 day (May-June 2009) internship at Regional Remote Sensing Service Centre (RRSSC), Indian Space Research Organization (ISRO), Department Of Space, Government of India.

## PROFESSIONAL SKILLS

- **Programming Languages:** Java, C, C++, Python, Windows NT Driver Development (Windows DDK)
- **Amazon Web Services:** SimpleWorkflow, Redshift, RDS, DynamoDB, CloudFront, EC2, Pipelines, S3
- **General Applications:** Elastic Search, git, IntelliJ, Eclipse, Netbeans IDE, WinDbg, VMware Workstation, Microsoft Visual Studio, Microsoft SQL Server and SQL reporting service, Aginity for Redshift, IBM Rational Developer, IBM DB2, Websphere Application Server, Apache Tomcat
- **Linux Enthusiast:** preferred flavors Mint, Arch

## HIGHLIGHTS

1. Ranked 39 at [www.codechef.com](http://www.codechef.com) as of 03/23/16 under handle cptcharisma.
2. Used to be a freelancer and rated “Top Coder” at website [www.vworker.com](http://www.vworker.com).