

# Chaitanya Khoje

Dublin, CA | (510) 283 3040 | [chaitanyakhoe9@gmail.com](mailto:chaitanyakhoe9@gmail.com) | [LinkedIn](#) | [GitHub](#)

*An avid programmer, fascinated in discovering simple and elegant solutions to complex problems. Well versed in data structures, algorithms. Proficient in Java, SQL, Python with an insatiable hunger for new knowledge.*

## EDUCATION

**Master of Science (MS) in Computer Science, SUNY - Binghamton University, NY** Aug 2017 - May 2019  
GPA: 3.6/4.0

Distributed Systems, Web Programming, Design Patterns (using Java), Algorithms, Database Systems.

**Bachelor of Engineering (BE) in Computers, Pune University, India** Aug 2011 - May 2016  
GPA: 3.5/4.0

## SKILLS

**Languages:** Java 7 & 8, SQL, Python, JavaScript, VBA, PHP, C#, C++, CSS, Shell scripting.  
**Technologies:** Spring, Spring-Boot, Hibernate, JPA, AOP, Mockito, Kafka, Thrift, Ant, Google Protocol buffers, Apache Tomcat, MongoDB, Oracle DB, Maven, node.js, Docker, React.js, express.js, XML, HTML5.  
**Tools:** IntelliJ, PyCharm, VS Code, Jenkins, Git, Vim, bash, Oracle SQL Developer, MS-SQL Server, MS-Access, C-Lion, Eclipse, Linux CLI, GitHub, Bitbucket, GitLab, Selenium.

## WORK EXPERIENCE

**realtor.com (Move Inc.)** Santa Clara, CA  
**Data Engineer** Feb 2020 - present

Exploring, monitoring and implementing solutions for deployment/monitoring automation.  
Helped in reducing cost for AWS S3 buckets by 30% by implementing Intelligent-Tiering.

**SUNY - Binghamton University** Binghamton, NY  
**Software Engineer (Intern)** Aug 2019 - Feb 2020

Developing web applications built on Spring MVC, Hibernate, with a MySQL database.

**Thinker's Hat** Pune, India  
**Software Developer** Nov 2016 - Jun 2017

*Data-driven production analytics, planning, reporting and inventory management applications.*

### Production planner:

- A production planning software for dynamic machine-level schedules generated on-demand, with projections of on-time/late deliveries, stock shortages.

## PROJECTS

[Amazon recommendation system](#) (Java, Python, Apache Kafka, Zookeeper, Sentiment Analysis, Mockito)

- Product recommendation system powered by different techniques like collaborative filtering, product-to-product relations, content-based recommendations, along with a Kafka cluster to handle queuing of user review data and a python sentiment analysis module for categorizing user opinions into positive/negative/neutral.

[Blog-posts](#) (Java, Mockito, REST APIs, Spring Boot, Guava cache, Selenium WebDriver)

- An independently built Spring Boot RESTful application. Fetches JSON data asynchronously from a remote API on different routes using query params, caches responses using Guava's cache loader.

[Distributed banking application](#) (Java, Multi-threading, Google Protocol buffers)

- A multi-threaded application to record a consistent global state of an asynchronous system. Consists of multiple branches talking to each other using protocol buffers.

[Key-Value Store with configurable consistency](#) (Java, Google Protocol buffers)

- An eventually consistent, distributed, fault-tolerant, key-value in-memory database.
- Implements read-repair & hinted-handoff to reduce read-write inconsistencies between multiple nodes/databases.

[Chord Distributed Hash Table](#): A distributed key lookup protocol for peer-to-peer applications with 256-bit keys.

[Dynamic search engine web application](#) (JavaScript, node.js, express.js, AXIOS, React.js, REST APIs, MongoDB)

- A dynamic single web page application which accesses remote web services directly from the browser using AXIOS to search for non-noise words from a set of documents stored in a MongoDB database.