

ASIF HASNAIN

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EDUCATION

New York University, Tandon School of Engineering, NY

Master of Science, Computer Engineering GPA: 3.85/4.0

May 2021

Coursework: Data Structures and Algorithms, Principle of Database Systems, Machine Learning, Internet Architecture and Protocols, Computer System and Architecture, Cloud Computing

RV College of Engineering, Bangalore

Bachelor of Technology, Electronics and Communications

June 2016

TECHNICAL SKILLS

- **Programming Languages:** Java, SQL, Golang, Python
- **Technologies:** AWS, Docker, XML, JSON, ProtoBuf, gRPC, REST APIs, Maven, Git
- **Databases:** DynamoDB, Oracle, NoSQL, MySQL, SQLite, Data Warehouse, ETL
- **Certification:** Amazon Web Services Developer - Associate

PROFESSIONAL EXPERIENCE

Hummingwave Technology - Bangalore, India

Senior Software Engineer

Aug 2018 - July 2019

- Designed and developed a payment system, integrated with payment gateways and Government of India's automated NACH(National Automated Clearing House) system.
- Integrated with 3 credit reporting agencies to get credit score and credit history of the customer.
- Collaborated on automation of credit and pricing policy to determine eligibility and credit limit of the customers in real-time.
- Designed and developed APIs for partner integration with access control and customizations.
- Developed the system from scratch and reached 200k loan applications.

Software Engineer

Dec 2017 - Jul 2018

- Worked on backend and android development for a financial institution for automated loan approval within 3 minutes.
- Developed backend of a dashboard used by 50 bank employees to underwrite loan applications and reduced underwriting time by 80%.
- Integrated with partner services for bank account verification and created an automated system to calculate salary, EMIs and other loan data from bank statements in real time.
- Developed an automated reporting system used by the management for operation and business decisions and reduced report consolidation time by 90% with increased accuracy and efficiency.

Publicis Sapient - Noida, India

Jun 2016 - Nov 2017

Associate Technology

- Worked as a Hybris developer in e-commerce development projects for Ralph Lauren and Keurig and designed, built, and tested Java applications.
- Collaborated with the team as Java developer on various modules of Hybris including user checkout, addition of attributes of products, cronjobs, creation of page templates, and components using Impex.

ACADEMIC PROJECTS

Stock Brokerage Management System [\[Link\]](#)

Sep 2020 - Dec 2020

- Designed and implemented a system for live virtual stock trading with customer management and access management.
- Developed a MySQL OLTP database hosted on AWS EC2, a DataWarehouse on Oracle ADW and ETL process.
- Tools and Technology Used: Java, PL/SQL, JavaScript, AWS, Oracle

Distributed Key-Value store based on RAFT Algorithm [\[Link\]](#)

June 2020 - Aug 2020

- Developed a fault-tolerant Distributed Key-Value store Database System with strong consistency and recoverability.
- The system supports high availability with active synchronization techniques used to maintain replicas.
- Developed client library for retries and automatic server connections management.
- Developed a docker environment to test the performance of the system against crash, consistency, and recoverability.
- Tools and Technology Used: Go, gRPC, SQLite, Docker

Insurance System [\[Link\]](#)

Apr 2020 - May 2020

- Implemented a web application for insurance systems on AWS with granular access control for client and employee.
- Designed and implemented MySQL model on RDS and integrated with AWS Lambda using JDBC.
- Tools and Technology Used: Java, JavaScript, JQuery, MySQL, AWS