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KRISHNA HANASOGE

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WORK EXPERIENCE:

Blackrock, New York City, NY

Sr. Software Engineer, Aladdin Product Group (Securities Lending)

Jan 2015- Present

- Lead a team of 6 people to design and develop a Java based server used to book and maintain Securities Lending trades, thereby enabling Blackrock to offer it as a solution in its Aladdin Suite and increasing revenue by 5 million dollars
- Reduced trader downtime by 10% by designing and implementing a distributed cache using Apache Ignite
- Lead a team of 5 people to design and implement a reporting solution in compliance with the Securities Financing Trading Regulation. Won the Heart of Blackrock award for this accomplishment
- Built a Java based server to maintain real time Inventories of Securities Lending eligible Assets. This improved the efficiency of inventory management and increased profitability by 150%

Barclays, New York City, NY

Software Engineer, BARX Investor Solutions (Client Facing Technology)

July 2012- Jan 2015

- Improved the efficiency of booking ETN instrument trades by 5X. Designed and developed a Trading tool from end to end using Java Swing front end, Java Spring Middle tier and Hibernate/ Oracle backend to achieve this
- Improved the efficiency of granting entitlements to a tool used firm wide (by 10X) by building an Entitlements UI using Angular

Citrix Online, Jersey City, NJ

Java/ Web developer Intern – Citrix Online Audio Group

May 2011- December 2011

- Designed and Developed the Pricing Engine for GoToMeeting as a Java REST Web Service

Infosys Technologies Ltd., Mysore, India

Software Engineer - Education and Research

November 2008- August 2010

- Designed and Developed an eBook portal for internal use: awarded MVP of the Quarter in recognition of this work

EDUCATION:

Stevens Institute of Technology, Hoboken, NJ

August 2010 - May 2012

Master of Engineering in Computer Engineering GPA: 3.93

Course Work: Applied Discrete Mathematics, Algorithms and Data Structures, Knowledge discovery and data mining, Introduction to Game development, Image processing and Computer Vision, Software Engineering

SKILLS:

Languages: Java, Python, Scala, Angular, React

Frameworks: J2EE, Spring MVC, Hibernate, Jersey REST, Struts 2

Database: Oracle SQL, PL/SQL, Postgres, Sybase, iBatis

Distributed Systems: Apache Ignite, Apache Cassandra, Apache Zookeeper, Apache Kafka

Certification: Sun Certified Java Programmer 6.0 (SCJP), Udacity Nanodegrees in DataStructures and Algorithms and Full Stack Web Development

PROJECTS:

AutoSMS (2007): Designed customizable application to automatically cut incoming calls and send SMS messages to callers when a user sets his profile as "Busy" or a similar pre-defined profile, informing the caller of the inability of the user to answer the call. Created front end of application using C++ APIs

eSuds Laundry Android App (2011): Developed an Android App to display the availability of washers and dryers in University campuses across the US using eSuds online Laundry system in real time

Phalitaamsha Android App (2013): Developed an Android App for students of an Indian University (VTU) to view their results and view previous year question papers and notes submitted by fellow students, all in one App

TailSpin Android App (2014): Developed an Android App for TailSpin, a hobby aeromodeling workshop conducting company. The App lets the users upload their projects to the TailSpin server and also lets them interact with the folks at the company.

Nighantu Chrome Extension (2019): Developed a Chrome extension to translate words from English to Kannada. Built a repository of 10000 words in collaboration with 50 people for the same.