Nitesh SINGH
Senior Consultant Specialist & Blockchain Enthusiast @HSBC

in linkedin.com/in/niteshsingh19   github.com/nitrek
+91 82888 38 0 38   @ nitesh.ns19@gmail.com
nitrek.github.io/aboutme
Why am i Unique? https://nitrek.github.io/ Find out here

"Keeping up with my passion for technology and innovation by developing High throughput Trade Store using Java and Vertx , also using Blockchain and digital assets progrmamming to solve real business use cases. 5+ years of Extensive experience in designing and developing solutions using Cloud(GCP,AWS) and technologies like Corda, HyperLedger Fabric, Ethereum, Web Apps, Scalable API Infrastructure using Python, Java and Kotlin.Excellent Communication and networking skills "

☰ COMPETENCE

Programming	Java/Kotlin,Python(**Micro-services/Flask,Anaconda**),Reactive programming
Blockchians	**Corda(Certified)**,Digital Assets Modeling Language,Hyperledger Fabric,Ethereum,Bitcoin
Cloud	**Google Cloud(Certified)**,AWS
Frameworks	Spring,Vertx,**Hibernate**, Angular (PrimeNG),Grafana
Databases	PostgreSQL,MongoDB
Development Tools	Docker,**IntelliJ Idea**,VS Code, Maven, Gradle, Git,GitHub
SDLC	**Agile**, **JIRA**, Scrum (*Sprints*)
Operating System	Linux Redhat, Ubuntu,Windows

💼 PROFESSIONAL EXPERIENCE

HSBC
Present
Nov 2021

Senior Consultant Specialist |Team Lead, BLOCKCHAIN DESIGN BUILD SUPPORT

`Java` `Gradle` `Vertx` `MongoDB` `Grafana` `Internal Cloud` `Kubernates` `Rundeck` `Jenkins` `Nexus` `Github`

> Working as and Architect and Developer for the Golden Team, which is Primary Trade Store for Fixed Income in HSBC
> Running about 6 Micro-services deployed self managed Internal Kubernates Platform
> All the Infrastructure is self managed by the my team with automated deployment and monitoring.
> As a Certified Enterprise Engineer my responsibility to have a enterprise wide mindset and work on initiative outside my project also to transform the organisation to function better, Leading the Enterprise Engineer Alumni Chapter (India)
> Developed and contributed to more the 30 small apps that help that the bank outside my project work.
> Part of the Innovation Team Working on various POC including **ABCIPL** (Blockchain and AI Based Platform for IPL),**Joinme** (Role : Developement and Design , Global Platform,launched by group CEO UK)

HSBC
Nov 2021
April 2020

Consultant Specialist |Tech Lead, BLOCKCHAIN DESIGN BUILD SUPPORT

`Corda` `DAML` `Ethereum` `Java` `Kotlin` `Gradle` `Spring Boot` `Google Cloud` `Jenkins` `Nexus` `Github`

> Responsible for Architecture Design and Lead Developer for the Digital assets DLT team
> Tech Lead of Blockchain team(DLT COE) worked on 6+ Global Blockchain Projects
> Worked on **Digital Vault** (First in house blockchain project.Won 2 Industry Awards,Featured in Forbes top 50 blockchain project).
> Worked with **Singapore Stock Exchange** on Tokenisation of Bond using block-chain (Project HASH) using DAML , HSBC has been granted patent for this work.
> Worked with **Central Bank of France** on CBDC Issuance platform using block-chain, Developed a Cross blockchian DVP settlement System making DLT interoperability possible. Multiple of my Projects are covered in the Press , link of Press Release on next page
> Developed multiple quick poc solution as part of Hackathons , winning many of them eg Mex (Automated Meeting Assistant for summarizing Meetings and more),Virtual Watercooler (Employee wellbeing app) etc.

HSBC
April 2020
July 2016

Blockchain and AI Senior Developer, BLOCKCHAIN AND MACHINE LEARNING

`Hyperledger Fabric` `Ethereum` `ERC20` `Spring Boot` `Corda` `Go` `Anaconda` `Python` `Machine Learning`

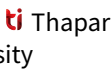Worked on the following projects
> FundsNow(Role Lead Developer for Corda),Corporate Action(Role :Lead Developer for Corda and Fabric),RFP(AI based Smart Question Answer trained on PDF Documents Role:Lead Developer)
> Internal Leave Management System(Role:Developer for dojo and Spring),GCP(Role:Lead Developer)
> Proxy Voting(Role :Developer for solodity and ReactJS)(Won Multiple Industry Awards for innovation)

Proptiger
(Makaan,Housing)
July 2016

Technology Intern, BACK-END AND AUTOMATION DEVELOPMENT

`Spring` `Java` `Selenium` `Natural Language Processing`

Jan 2016	› Worked with the Backend API team developing API that are used by makaan using Java,Spring and Hibernate
	› Worked on Automation of Listing POC using SMS as input(NLP and AI) and Notification Management System
ti Thapar University	**Undergraduate Projects, Back-end and Automation Development**
July 2016 July 2012	Spring Java Seleneum Natural Language Processing
	› Automatic Hostel Allotment,Used by the college during counseling,(Awarded Scholarship and Best Project 2015 by Ch. Bhagwan Singh Nasa ,Parvati Nasa Charitable Trust)(PHP,Ajax,Javascript) Classi-fication and sentiment of Tweets Research Paper(Naïve bayes Algorithm on Mahout in Hadoop,Top 5 Projects of college), Assignment Submission Portal, Hostel Room Booking,used by students in Hos-tel for booking rooms every semester (PHP,Ajax,Javascript), Twitter Sentiment Analysis Research Pa-per(Top 5 Projects of college),Worked on Document classification model using Hadoop

🎓 CERTIFICATIONS

2021	✹ Multiple Coursera Certifications, https://j.mp/niteshcoursera
July 2020	✹ Certified Enterprise Engineer HSBC, https://j.mp/certifiedeep
May 2020	`</>` Certified Data Science Professional IBM, https://j.mp/niteshdatascience
Dec 2019	☁ Professional Cloud Architect Google http://j.mp/gcparchniteshlink
Dec 2018	🔗 Certified Corda Developer Badge:477 R3 , http://j.mp/niteshcorda
Oct. 2017	🛡 Complete In and Out Of Ethereum Blockchain Solidity and Truffle Udemy http://j.mp/niteshethereum
Aug. 2014	📈 Big Data Hewlett-Packard Marks:100/100 Grade:A+
July 2014	`</>` Programming, Data Structures and Algorithms IIT Madras (NPTEL)
July 2011	☕ Core Java Ducat,Noida
Aug 2008	🛢 Database Design and Programming Oracle Academy

🎓 EDUCATION

Thapar University	B.E. in Computer Science	**CGPA:8.36**
DPS,Noida	12th(PCM+Computers)	**Score :91.6%**
DPS,Noida	Class 10th	**Score:87%**

➕ AWARDS

> Won Pat on Back 4 Times
> Pioneer of the Quarter (Organization Wide)
> Won Outstanding Team Performance Award
> Won Star Performer 2 Times
> Won 6 Organization Wide Hackthons
> Won Brightest New Star (Organization Wide)

66 PUBLICATIONS AND REFERENCES

☁ **PUBLISHED PAPER ON BLOCKCHAIN BASED DATA-SHARING FRAMEWORK**	⬈ PAPER LINK
☁ **BDF SUCCESSFULLY COMPLETED CENTRAL BANK DIGITAL CURRENCY EXPERIMENT LED BY HSBC**	⬈ BDF PRESS RELEASE
⬡ **HSBC MOVES $20 BILLION FROM PAPER TO BLOCKCHAIN**	⬈ FORBES ARTICLE
₿ **HSBC FIRST FINANCIAL INSTITUTION CORDA ENTERPRISE ON TO GOOGLE CLOUD**	⬈ HSBC PRESS RELEASE
🏆 **DIGITAL VAULT IN BLOCKCHAIN 50 : FORBES**	⬈ FORBES BLOCKCHAIN 50
🔗 **HSBC PARTNERS WITH SGX AND TEMASEK TO EXPLORE DLT FOR FIXED INCOME**	⬈ SGX PRESS RELEASE
🔗 **HSBC, SGX AND TEMASEK WIN BEST DIGITAL COLLABORATION 2020**	⬈ HSBC PRESS RELEASE
💥 **SGX, HSBC AND TEMASEK, COMPLETES PILOT DIGITAL BOND FOR OLAM INTERNATION**	⬈ SGX PRESS RELEASE
⬡ **HOW BLOCKCHAIN COULD REVOLUTIONISE BONDS**	⬈ HSBC PRESS RELEASE
🏆 **THE BANKER:TRANSACTION BANKING AWARDS 2020**	⬈ AWARD LINK
🏆 **GLOBAL CUSTODIAN:INNOVATION IN PROXY VOTING AWARD**	⬈ AWARD LINK