

Nivesh Singh

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EDUCATION

- **Madan Mohan Malaviya University of Technology** Gorakhpur, India
B.Tech in Computer Science Engineering; Grade:73% *Aug. 2010 – May. 2014*

EXPERIENCE

- **Instarem** Mumbai, IN
Software Developer *Dec 2016 - Present*
 - **KYC Engine:** Automate KYC for various corridors for fast customer on boarding, integrated with Jumio for Document/FaceMatch verification and Trulioo for POI/POA verification.
 - **Compliance Engine:** Built multi level compliance check triggers integrated in database level, integrated with Worldcheck for global watchlist compliance check.
 - **Fuzzy Search:** For fuzzy matching of customer filled details with OFAC sanctioned banks and blacklisted regulatory list under compliance check using elastic search.
 - **Processing Engine:** Integrated RabbitMQ and Redis for faster and sequential processing of payments even under distributed environment across multiple payment gateways.
 - **Payment Gateway:** Integrated with various banks and payment gateways e.g Kbank Thailand, Yesbank India, LianLain pay China, Currency Cloud Europe, etc.
 - **Service Discovery:** Developed in-house service discovery bus using rabbitMQ to decouple various microservices.
 - **Distributed Logging:** Used ELK stack for log aggregation and faster searching of logs.
- **Tech Mahindra** Delhi-NCR, IN
Software Engineer *Sep 2014 - Nov 2016*
 - **About Project:** Telecom Domain Project. Web Access Ordering(WAO) a wholesale web application for AT&T built using IBM WebSphere and JAVA technology stack.
 - **Request Processing:** Designed workflows for various access service request creation and allocation in java.
 - **User Migration:** Developed utility for user migration and user reconciliation for switching entire application to new WAO portal.
 - **Jmeter:** Wrote jmeter scripts to load test the application under various scenarios.
 - **Jenkins:** Implemented continuous integration and deployment in the project.

PROJECTS

- **ICO DAPP:** Built under 36hrs E&Y hackathon using solidity/MEAN stack and deployed on Azure private Ethereum cloud with number of mining nodes equal to number of participating agents.
- **Market Maker:** Freelance Project to built a bitcoin wallet for easy access to end users. Integrated bitgo multi-signature wallet generation, GDAX trade api and setup cold storage of funds.
- **Digital Switch:** IOT application. Control home appliances through various interfaces like mobile, smart watch. Built using AWS IOT Service and MediaTek linkIt one hardware development kit.
- **Monitoring of Public Toilets:** Helping NGO's and government to monitor public toilets using digital technology. Built using MEAN Stack and socket.io for real time notifications.
- **Command Line Dictionary:** Open source project, built using node.js and wordnik dictionary api.
- **Hotel Search:** Leveraged open data from tourism ministry to build licensed Hotels and Travel Agents search portal. SPA web app built using jquery and vanilla javascript.
- **Vision Mobile App:** Built on Windows Phone 7.5 for Microsoft Image Cup 2012, qualified for world finals

PROGRAMMING SKILLS

- **Languages:** C, C++, Javascript, Java **Technologies:** MEAN, ELK, Vue.JS, AWS/Azure, IOT, RabbitMQ

CURRENT INTEREST

- **Technology:** Blockchain and FinTech. **Programming language:** Go and Elixir.