Vishal Chaurasia

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EDUCATION

University at Buffalo, The State University of New York Buffalo, NY
MS Computer Science & Engineering; GPA: NA *Aug. 2021 – June. 2023*
- Relevant coursework: Design and Analysis of Algorithm, Information Retrieval, Machine Learning, Blockchain Application Development

Dr. A.P.J. Abdul Kalam Technical University Lucknow, India
Bachelor of Technology in Computer Science & Engineering (First Division) *Aug. 2013 – June. 2017*

EXPERIENCE

Mindtree Ltd. Bengaluru, India
Senior Engineer *Feb. 2018 – Aug. 2021*
- **Omnipro**: Managed modules pertaining to inter-project communication between Micro-Frontend projects & integrated Connect SDK/AWS Lambda API with Angular 7 User Interface.
  - Developed custom UI modules for receive/hold calls & warm/cold transfer.
  - Familiarized new resources to application architecture & standard development practises.
  - Coded Lambda APIs to determine call queue wait time.
  - Delivered modules with 85% code coverage.
- **Corda Low Code Engine**: Spearheaded end-to-end project development using Spring Boot & Angular 7, reducing future application development time by 30%.
  - Engineered application architecture & modules for project/network config & boilerplate code generation.
  - Trained junior resources on R3 Corda advance concepts and Dapp development.
- **Delta Bank**: Lead R3 Corda & Mobile Application development for tier-1 airline reward management system reducing overall reconciliation time across partner vendors by 80%.
  - Coordinated with other team members for Spring Boot application Development.
  - Created Terraform resource provisioning scripts & CI/CD flows for application deployment on Azure AKS Clusters.
  - Lead initiatives to automate resource provisioning, build & deployment of projects across multiple platforms.
- **Ripe.io**: Handled sensor data capturing & database schema modules for supply chain management, implemented on R3 Corda Platform along with Spring Boot.
  - Designed application back-end API for polling online sensor data & updated values on ledger.
  - Designed database migration scripts for initial schema setup in remote db.
- **Identity Management Platform**: Conceptualized & Lead Ethereum based document sharing and management platform using Proxy re-encryption.
  - Analysed end-user requirements to map use-case with relevant blockchain platform.
  - Programmed Solidity smart contract & integrated enabling automated data access management.

PROJECTS

- **Multilingual Search System For Twitter**
  An end-to-end IR solution including data collection, search optimization & multi-lingual data analytics using Python 3, Apache Solr & Twitter API.

WHITEPAPERS

- **Proxy Re-Encryption-based Data Sharing Framework**
  Co-authored & Conceptualized framework utilizing Proxy Re-encryption for secure data exchange between users. It functioned on idea of Zero Knowledge Proof Protocol eliminating the need to exchange private keys happens between sender and receiver.

SKILLS

- **Languages & Frameworks**: Python, Java, Angular 2+, JavaScript, NodeJS, Express, Ionic 5, Spring Boot, Solidity

- **Blockchain Platforms**: Ethereum, R3 Corda, DAML **Build Tools**: Terraform, Apache Maven, Gradle, Jenkins, Docker

- **Tools**: Git, Gitlab-Runner, Postman, Truffle Suit, Geth **Database**: BigchainDB, MongoDB, SQL Server, PostgreSQL