**Anurag Ranjan**

**Profile Summary:**

I have professional and well-versed experience in informatics and related solution, as well as a variety of other experiences including being a professional IT Solution Architect and Consultant. These experiences have made me an expert at designing and understanding complex technology and implementing them for the best in class solution for the IT & Manufacturing industry. Nationwide wireless@SG deployment @Singapore, USM, Ultron products for Zing. Patient on SIM & BLE. Serial Entrepreneur focusing on AI, Robotics, Machine Vision, IoT and Blockchain. Director of ASPAGTEQ Group of companies.

**Solution Architect:** Designed and implemented solutions from single stack environments to complete multiplatform environments with complicated infrastructure and millions of end users catered by the solution.

**Innovator:** Technology Master, invented various solution with diverse parts, varied technologies, and complicated patterns

of evolution and information management. Focused for accelerating in the implementation of innovation.

**Project Management:** Lead multiple projects across various platforms from start to finish and taking over projects at various stages.

**Identity Management:** Designed solution for integration of user identities and behaviour to communicate across multiple platformsin complete enterprise level environment using various services.

**Work Experience:**

**Chief Architect and Solutions Architect, Zing Mobile Pte Ltd – (Sep 2011 to Present )**

**Chief Architect, CryptoSim Labs (January 2018 – Present)**

* + - Acting as chief architect to design our Block Chain Solution,
    - Working on Block Chain and Smart Contract development using Web3.js, Ethereum, JavaScript API and Solidity.

**Solution Architect, Zing Mobile Pte Ltd (September 2011 – Present)**

* Acting as Mobile technology specialist and Solution Architect for the organization and leading 40-men research team.
* Work on technology ranging from C / Java / NodeJS / PHP / Python Android and iOS. Besides, significant experience in Data Management.

With one of the project on Microservices Key feature focus is: The application predominantly focus on microservice of enterprises using micro app (mini app) as interface. However, similar concept can also be provided to HTML.

* User Privacy based on existing legal framework with zero knowledge (ZK) , encryption & KYC
* Micro app & Micro-Service data sharing with support to PII and non-PII depending on approval. PII (Personal Identifiable Information)
* SSO (Single Sign on). We have implemented Telco ID. Telco ID can be bind by as many social id, or enterprise OID depending on use case.
* Micro-service scalability and routing: Launching microformat services predominantly require horizontal server scaling, either using docker or kubernetes, openshift or many other. Idea is to have images that can be automatically rollout on demand. It can be also done by having spot server.
* I have designed product on ELK with 3 nodes as well as Redis. Redis being my favorite as it allows easily to use pub-sub to inter communicate within applications. NGINX with Lua can directly talked to redis and cut short lengthy application route, very useful for auth or smaller simple micro service (check balance, check service, discover service). Elasticsearch  and Redis are my personal favourite as combination of both allows series of services.
* I have also worked on TE (trusted environment) as part of secure blockchain wallet with SHA3 kind of implementation using eSIM. Cryptosim project was focused on that area.

Summary

**Architect & Senior Manager, Icell Network Pte. Ltd.(May 2009 - November 2011)**

**Senior Manager, for Wireless Product at Nex-G Solutions (January 2004 - March 2009)**

**Program Officer, International NGO’s (1998-2001)**

**Qualifications:**

Bachelor of Science, Agronomy and Crop Science, Birsa Agriculture University, India

Master’s in business Admin, HR, PMBA