

DIBYANSHU

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OBJECTIVE

To obtain a challenging position that will utilize my skills and expertise and at the same time also gives me a platform to develop new skill sets fulfilling my quest to make a difference.

Career Summary

- Tech Lead at **PayPal India Pvt. Ltd. (IC)** Jun 2020 - *
- **Director of Technology** at shivom.io - Ncrypt Ventures Jun 2019 - May 2020
- Delivery Centric Technology Services Pvt. Ltd. as **MEAN STACK Developer.** Mar 2018 - May 2019
- iCordinate Software Pvt. Ltd. as **Full Stack Developer.** Jun 2015 - Feb 2018

Skills Summary

- Architecting - Developing massively scalable, distributed software systems that require high availability to support mission-critical business tasks.
- In the course of being in various roles during my career I have handled **the entire chain from product ideation through exploration and design to launch and iteration.** I have conceptualized new products/features, done first-cut interaction design, created low level mockups, worked with the development teams in coding, design, QA and finally been responsible for product launches.
- **Serverless (Cloud Native) Development and Managed App Development** using Containerisation with CI/CD on **Cloud.**
- Comfortable with **FULL/MEAN/MERN - STACK & DEVOPS** using **Javascript** and **Java** frameworks. **Expertise in Client Interactions and Studying Business requirements to define Scope of Work. Briefing and Managing team members to achieve desired outcomes.**
- **Team Building and Management**

Hands-On Experiences

Languages/Frameworks:

NodeJs, ExpressJs, AngularJs, ReactJs, Redux GraphQL, JavaScript(ES-7), Jekyll, HTML5, CSS, Java, Spring - Core, Boot, MVC, ORM, Data JPA, JDBC, AOP, Rest, Security

Testing:

Mocha, Jest, Enzyme, Karma, Junit

Deployment: **Server-less, Containerised**

Cloud: **AWS, GCP**

Version Control: **Github, Bit-Bucket**

Containerisation: **Docker, Kubernetes**

CI/CD: **Travis CI / Cloud Build / Git Actions**

Understanding : **Blockchain & IoT**

Published npm module: <https://www.npmjs.com/package/bitcoin-rpc-api>

2019

Expertise

- Solution Design and Architecture Design to meet business requirements
- Implementing Cloud Scalability and auto Deployment following best practices
- Restful/GraphQL Services (API) Development & Testing
- Responsive UI Development with Real Time Push Notification using Web-sockets
- Frontend Development & Integration with Web Services
- Basic SEO and SEM
- Familiarity with Latest Trends and Libraries
- CMS: WordPress & OpenCart Deployment Development and Customisation

Education

B.tech in I.T from Galgotias College of Engg. and Tech. affiliated to Uttar Pradesh Technical University (**UPTU**)

2015

Diploma in I.T from Govt. Polytechnic Ranchi affiliated to State Board of Technical Education Jharkhand (**SBTE**)

2012

New Found Interests:

MQTT, IoT, Raspberry PI 3, Backdoor, KALI

Projects Summary and Experiences

PayPal

June 2020 - *

Role: Lead Software Engineer (IC)

Domain: Fin-Tech

I work with the Pricing Platform within PayPal. Pricing Platform is one of the main revenue generators for the company. We processed payments worth **1.1 Trillion in 2021 with around 403 Million active users**. I have served as a TechLead for two major pillars of the Pricing Platform. One in the **Pricing Engine** which is responsible for the adjustments and fees based on certain business rules. The Other is a **major initiative** for a tool behind the scenes which helps with the actual Currency Stock purchase and management by forecasting the market needs and assists in Pricing Enablement and Automation for Pricing Ops Team. This product helped to **generate more than 200 million USD within a year after its launch in Jan 2021**.

Responsibilities :

- End to End Development of High Availability Solutions to support Business Critical Needs at a scale.
- Understanding and Scoping Functional and Nonfunctional Requirements
- Tech Discussions and Solution Proposal and Design with the team.
- Decomposition of Issues, Planning, Prioritizing and Monitoring Development Goals
- Actively Hands on Development and Support
- Actively collaborating on Coding Guidelines and Code Reviews and RoadMap Planning
- Migrated and Optimized a large part of the codebase to remove Tech Debts incurred over time.

Skills Used:

API Development with Maturity Level 3 using Node.js, Java Spring, Express.js, React.js, Unit Testing, Integration Testing, Functional Testing, Splunk, Observability, CI/CD, Integration with different 3rd Party Apps etc...

PAST PROJECTS

shivom.io - Ncrypt Ventures

Domain: HealthCare

Roles Served:

Director of Technology

Tech Delivery Lead

Dec 2019 - May 2020

June 2019 - Dec 2019

Product

The project was about building a Software Platform and Marketplace, which enables our users to share their Genetic Data with researchers to help in research of advanced precision medicines in such a way that our researcher never actually gets hold of user genetic data while still having the ability to run pipelines on those data.

Each use of every user's genetic data incentivised users by rewarding the users with a certain

amount of our ERC-20 Ethereum token (OMX). A particular permission model for sharing those data with certain specific institutions are stored in block-chain enabling transparency of what is being shared, when and with whom, giving control of the data to the users. **(GDPR compliant)**

A marketplace was also introduced to buy and sell certain products which would further incentivise the users to share their genetic data along with the permissions to be kept on the blockchain network.

Approach Followed:

- Come up with Analysis Plans and execution strategy to **create the product from scratch.**
- Tech Stack - **Node.js, Express.js, GraphQL, Postgres, React.js, NGINX, Docker, Firebase.**
- Cloud Stack - **AWS and GCP**
S3, Lambda, API-Gateway, DynamoDB, EC2, AMI, IAM, Route 53, Cognito, App Engine, Cloud Build, EKS, Compute Engine, Storage, KMS, GCR, Cloud Function, Cloud SQL, etc ...
- Changed the architecture from a Monolithic to a **Micro-services approach**
- **Planning & Management** - GitHub following Git Flow and Jira/Kanban

Achievements:

- Responsible for **Product Launch - MVP 1.0 and 2.0**
- Participating in **Investors Meeting** for Technical Discussions and Due-Diligence. Helped in securing seed money from our Global Investors (**\$5 Million**)
- Successfully **Managed 3 Global teams, 20+ Full-Stack Developers.**
- Monolithic to Microservices with scale on demand in mind, running on cloud
- **Coded straight 38 hours in our hackathon** to keep the mission critical development on-going.

CryptoCentric

Feb 2018 - May 2019

Role: MEAN Stack Dev(Lead)

Domain: Fin-Tech

The project was about building a **Cryptocurrency Exchange** or in other words an eCommerce platform that deals in **buy and sell of cryptocurrencies such as Bitcoin, Ethers, etc..** for Australian Market. The Company had a similar Project running live for the Australian Market using **traditional technologies** primarily such as **.Net, Oracle, MuleSoft on a Windows Environment** and they **needed** something more secure with better availability. The main problem was they were **facing security issues** in the current product as well as **scalability was a bottleneck.** Moreover, the cost to run such a monolithic architecture was huge. **They needed an upgrade.**

Approach Followed:

- Leading a team of 6 to re-architect/develop a parallel solution following TDD
- Changed the architecture from a Monolithic to a **Microservices approach**
- Cloud based solution from scratch. Tech Stack- **Node.js, Express.js, MongoDB, Angular, NGINX, Docker...**
- From Polling based action model to an **Event based Solution.**

- Version control using GitHub and Deployment on **AWS Elastic Beans**.
- Travis CI for **Continuous Integration and Automation** and Deployment on AWS EBS.
- Setup **Load Balancers** for Network Availability. Setup **POLI Payments + OTP Integration + Automated KYC for Australian Citizens**
- Developed and **Published** open-source **NPM Module** from Scratch to communicate with isolated Crypto Nodes to **create e-Wallets**.

Crystal Travels

Role: MEAN-Stack Dev

Tours & Travel Domain

2017 Sept - 2018 Feb

The project was to connect the customers to book Air tickets online from a website which was done manually earlier on call, after getting confirmation of the booking, using Amadeus GDS(Global Distribution System). The Frontend was Developed in React.Js v16 and Material Design to achieve RWD. I created custom APIs to connect the Amadeus GDS to fetch the real-time Air-fare and routes and availability based on RESTful architecture. I also architected a solution for the Admin panel where the user bookings would be managed by the in-house support team. The DB was MongoDB. I also implemented OAUTH & JWT to implement Security for the APIs. For real time updates I used WebSocket-(SocketIO).

ScholarSpace

Role: Full-Stack Web Dev

EdTech Domain

2016 Jan – 2017 Sep

The purpose of Scholar Space was to provide a platform where they could have a collaborative platform for all Users of an Educational Organisation. Used AngularJs to consume the APIs created by the Backend team. The Backend was developed in parallel using PHP-LARAVEL and most of my work was focused on integrating those RESTful APIs. My forte was using Angular Js for the frontend to achieve two-way data binding following MV* pattern.

Project Name: Vanity360

Role: Full-Stack Dev.

eCommerce Domain

2016 Jan – 2017 Jan

The Project was regarding an eCommerce Website to be developed from scratch. It also included creating Admin panels with different roles and functionalities. I created the whole Responsive website from scratch based on the design files using HTML/CSS.

Project Name: EASYRIDE

Role: Android Dev.

Taxi Sharing Domain

2015 July – 2016 Jan

EasyRide Android App was a project based on the idea of booking cabs, which can be used to provide transportation on demand. I took charge of POC and completely created a product using JAVA. The solution I implemented was an app where users can register and get a taxi on demand using the GPS sensor of their cellphone. There were two separate views for driver and customer.