

## ▶ Arpit Sharma

### UI Architect & Full Stack Engineering Manager

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## Summary

Engineering leader and systems architect with **13+ years** of experience in **high-performance applications**, delivering detailed analytics through innovative **visualization** techniques. Active **hands-on contributor** with excellent track record of leading large teams.

## Skills

### Expertise

**JavaScript, Node, Angular, React.js, Typescript, D3.js, Express.js, HTML5, CSS3, React Native, GSAP, Redis, es6, OOJS, Bootstrap, Tail-wind, SaaS, Photoshop & Figma**

### Proficiency

**Micro Service Architecture, PWA, SPA, Mobile-First Design, Micro frontend, AWS, Distributed Cache, Logging & Monitoring, System Design, GCP, Jenkins, Open Shift, Docker, Kubernetes, Vue.js, Ext.js, Next.js, Netlify, Accessibility Standards, SQL, VR AR, Load Balancers, CDN, SCSS, LESS, MongoDB, Rest API, Cypress**

## Experience

### Engineering Manager/Architect

**Citibank - Pune, India**

July 2017 - Present

### Tech Lead/ Scrum Master

**Lloyds Bank- London, UK**

April 2016 – April 2017

### Senior Software Developer

**Samsung - Pune, India**

December 2014 - April 2016

### Software Developer

**Tech Mahindra (British Telecom)**

June 2009 - December 2014

## Awards

- ▶ Gratitude Award for **Cloud Migration** of large scale monolithic app – Citi 2022
- ▶ **Silver Award** for innovation in User Interfaces – Citi 2020
- ▶ **Gold Award** for setting global coding & design standards – Samsung 2016
- ▶ Certificate of Appreciation for Accessible **UX** Design – British Telecom 2013
- ▶ Pat on the back Award for **collaborative** team work – British Telecom 2012

## Projects



### ► One Analytics & e-Core (July 2017 onwards) : Citibank

Designing and creating a platform for algorithm trade analytics that generates real-time insights for stocks and securities in a **Progressive Web App**, including TCA, Venue Analysis, Order Fill Trail, and other trading strategies comparison using interactive charts drawn using **D3, React, Node.js & Kafka**. Market Data ingested from Reuters and processed in kdb. Implemented Security using **JWT**, OAuth2 & Open Id on **RESTful** services. Migrated from **Monolithic** to Microservice architecture for distributed cache using Open Shift cloud.

Role: Full Stack Engineering Manager & Architect | Responsibilities:

- **Hands-on coding** and reviewing on **MEAN, MERN** & JAM stack utilizing Open Source and making them **re-usable** components for use within organization
- Leading and managing a team of 12 software developers, including **technical guidance ,assigning tasks**, and mentorship
- Working closely with product managers, CTO and other stakeholders to understand business functionality and transform it into **technical stories**
- Overseeing the **development and design** of application, including **project planning**, resource allocation, and monitoring progress via JIRA
- Documenting **low level design**, high level design, user stories & providing resource estimation via Back of the envelope calculations
- **Sprint Planning** , Prioritization & Product Road Map preparation.



### ► Legato (April 2016 – April 2017) : Lloyds Bank

Built real-time data streaming of cross-currency conversions and serves as a comprehensive solution for front office users. Its design allows for high scalability and is based on Netflix's **microservices** architecture. The app has data grid made in **ag-grid**, capable of displaying **millions of rows**. Platform built in **React Material**.

Role: Full Stack Tech Lead | Responsibilities:

- Coding, reviewing and **approving** Pull Requests & **designs**, and creating **technical documentation**

- Facilitating and coordinating Scrum ceremonies such as Sprint Planning, **Daily Scrum, Sprint Review, and Sprint Retrospective**
- **Automated tests** via tools like **Cypress**, React testing library, **Protractor**, Jasmine, Karma, Mocha, Chai etc.
- Setup builds using pre-processors like **webpack, babel**, vite, parcel, rollup etc

► **Verizon Smart City** (Dec 2014 – April 2016) : Samsung

**SAMSUNG**

**Built** a web & mobile single page application on **Angular.js** that monitors industrial sensors in real-time using **IoT**. **Live data** is displayed on graphs using **Chart.js**. It integrates with Google Maps, allowing city admins to define districts and set threshold limits with automatic alert notifications using **react native, ionic, WebRTC & WebSocket**.

Role: Senior Software Engineer | Responsibilities:

- Created user interface to ensure a **user-friendly** experience for all Verizon customers. Set up CI/CD Pipeline for continuous Builds.
- **Collaborated** with a team of software engineers to design , develop efficient **front-end** with **Performance Optimization**.
- **Identifying** and **mitigating risks**, and **troubleshoot** issues that arise during the software development process

► **MyBT** (June 2010- Dec 2014) : British Telecom



Designed and developed BT's flagship application which provides single point access to to manage account, products and wi-fi . The dashboard is generated dynamically based on the user's role and access entitlements. It has geo-location based **search** results, and offline **caching**. Built in **Java & SQL, Bootstrap, jQuery**,

Role: Software Engineer | Responsibilities:

- Utilized **object oriented** design principle to develop high quality **Java backend** and **responsive front end**
- Created **Prototype Designs** in Adobe Suite and implemented Web Analytics
- Created Unit tests using **TDD & BDD** approach
- Created **wireframes and prototypes** using tools like Adobe illustrator, photoshop
- Created **style guides** and **coding standards** documents for maintaining standard across global organization

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## Certifications & Courses

- ▶ Oracle Certified Java Professional (SCJP)
- ▶ Harvard CS50
- ▶ Usability Engineering, IIT Guwahati
- ▶ Quantum Algorithms and Cryptography, IIT Madras
- ▶ Understanding Design, IIT Mumbai
- ▶ Udemy : Advance JavaScript, Weird parts of JavaScript
- ▶ Udemy : Web Animations via GSAP, CSS Grids & Tailwind
- ▶ Udemy : Create WebXR, VR & AR Experience with Three.js
- ▶ Cryptocurrency Engineering & Design, MIT Open (Massachusetts Institute of Technology)

## Education

- ▶ Bachelor of Engineering - Electronics & Computer Science RGTU 2009

## LinkedIn

- ▶ [www.linkedin.com/in/yesarpit](https://www.linkedin.com/in/yesarpit)

## Website

- ▶ <https://www.arpitsharma.dev>