▶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. Adopting a **microservices architecture** and functional /reactive programming, as well as implementing Agile methodologies in the software development life cycle

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 architecture, Java** , AWS Distributed **Cache,** Logging & Monitoring**, System Design,** GCP, Jenkins, Open Shift, **Docker, Kubernetes,** Vue.js, Ext.js, Micro-interactions**, Accessibility Standards,** SQL, VR AR, **Load Balancers, CDN,** SCSS, LESS, **MongoDB**

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

▸ **Citi Bank One Analytics & eCore (July 2017 onwards)**

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.** 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:

- Leading and managing a team of 12 software developers, including **setting goals, assigning tasks**, and providing guidance 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
- **Hands-on coding** and reviewing on **MEAN, MERN** & JAM stack utilizing Open Source and making them re-usable components for use within organization
- **Sprint Planning** , Prioritization & Product Road Map preparation.

▸ **Lloyds Bank Legato (April 2016 – April 2017)**

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 & Scrum Master** | 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

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

▶ **British Telecom's iDesk & MyBT (June 2010- Dec 2014)**   **BT**

This portal provides single point access to multiple applications across BT's network. 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

Certifications & Courses

- Oracle Certified Java Professional (SCJP)
- Harvard CS50 (Pursuing)
- Usability Engineering, IIT Guwahati (Pursuing)
- Quantum Algorithms and Cryptography, IIT Madras
- Understanding Design , IIT Mumbai (Pursuing)
- 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

Website

- https://www.arpitsharma.dev
  (JS Tutorial, Book Summaries)