MANJIT SINGH

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EDUCATION

Master Of Computer Applications   2013 - 2016

Chandigarh Group Of Colleges,

Landra, Mohali, Punjab, India (First Division with Distinction)

Bachelor Of Science, Computer Applications   2010 - 2013

Govt. Mohindra College, Patiala, Punjab, India

SKILLS

- Extensive experience with **React.js, Next.js, Node.js** and **Vue.js** for developing dynamic and responsive web applications.
- Expertise in **WebRTC** and Audio/Video calling SDKs with **Jitsi** and **Agora** for implementing real-time communication features.
- Skilled in using **HTML5, CSS,** and **Bootstrap** to create user-friendly and visually appealing interfaces.
- Proficient in **MySQL**, **Elasticsearch**, **Cassandra, Redis** and **MongoDB** for robust data storage and retrieval solutions.
- Expertise in building **REST APIs** and **GraphQL APIs** for seamless communication between front-end and back-end systems.
- Competent in **PHP** for server-side scripting and creating dynamic web pages.
- Experience with **AWS EC2**, **S3** for cloud services, and **Docker** for containerization.
- Knowledgeable in **Jenkins** and **GitHub Actions** for automating the software development lifecycle.
- Experienced with **Jira**, **Confluence**, and **Slack** for efficient team collaboration and project tracking.
- Strong understanding of **OOP** principles for writing **clean, reusable,** and maintainable code.
- Extensive experience with **Git** and **GitHub** for source code management and version control.

WORK EXPERIENCE

- *Software Engineer At Scramble Apps Pvt. Ltd. (2019 - Present)*
  - Develop and maintain dynamic web applications using **JavaScript frameworks and libraries** such as **React.js, Node.js, AngularJS, and Vue.js**, ensuring responsiveness and efficiency.
  - Implement real-time communication features using **WebRTC** and **audio/video calling SDKs** like **Jitsi** and **Agora**, enhancing user interaction capabilities.
  - Design and build user-friendly interfaces with **HTML5, CSS,** and **Bootstrap**, ensuring cross-browser compatibility.
  - Manage and optimise databases including **MySQL, Elasticsearch, Cassandra, Redis** and **MongoDB** to handle large volumes of data.
  - Utilised AWS services such as **EC2** and **S3**, and **containerize applications** with **Docker** to enable scalable, reliable, and efficient deployment.
  - Automate the software development lifecycle using **CI/CD** tools like **Jenkins** and **GitHub Actions** to streamline development processes

- *Software Engineer At Interbit Solutions Pvt. Ltd. (2018 - 2019)*
  - Created dynamic web applications using frameworks and libraries such as **React.js, Node.js**
  - **Built and integrated APIs** using **REST** for seamless data exchange and integration between systems.
  - Interaction of **eBay APIs** programmatically with various aspects of the eBay platform, enabling integration of eBay's functionalities into the project.
  - Develop and sustain server-side logic with **PHP** and **Laravel** framework to support backend operations, business logic, and API development.

- *Software Engineer At ToXSL Technologies Pvt. Ltd (2016 - 2018)*
  - Experienced in **PHP frameworks** including **Yii2, Laravel,** and **CodeIgniter** for developing robust and scalable web applications.

- ○ Proficient in **JavaScript, HTML, CSS,** and **Bootstrap** for creating dynamic and responsive user interfaces.
- ○ Developed and maintained web applications using **PHP.**
- ○ Utilised **JavaScript** along with **HTML** and **CSS** to enhance user experience and interface design in web development projects.

PROJECTS

- **ELTROPY:** Enable customers and members to have conversations with your financial institution seamlessly across any channel. I was working on a Video Banking module in this project in which I updated Socket.IO to enhance real-time communication capabilities and replaced the WebRTC implementation with lib-jitsi-meet, which offers robust features for managing video conferencing. Alongside this transition, I implemented recording functionality to capture and save video sessions, enhancing the application's utility for users.

- **COMERA:** A chat application for iOS and Android platforms with End-to-End encryption. I contributed to the development by creating robust REST APIs. Additionally, I integrated Elasticsearch to handle logs efficiently and implemented JWT authentication to secure the APIs effectively.

- **ACT for AMERICA:** ACT for America, also referred to as ACT! for America, is a US based advocacy group that stands against what it perceives as "the threat of radical Islam" to Americans. In this project I participated in constructing a single WebRTC stream by combining multiple streams into one using canvas integration.

- **WINGTRILL:** A chat application for all the platforms Web, Android and iOS via WebRTC and Jitsi Meet. I played a key role in the Web in crafting both the frontend and backend from the ground up. For the frontend, I utilised Next.js and React.js to ensure a seamless user experience. On the backend, I employed Node.js, harnessing its power for efficient server-side operations.

Data was stored and managed in a MySQL database, with careful attention paid to structuring for optimal performance and scalability.

AWARDS:

- Awarded Employee of the Year twice At Scramble Apps Pvt. Ltd.
- Awarded Outstanding performance at NIIT New Delhi for Developing Web Applications using PHP
- Promoted as recruiter where I conducted interviews at Lovely Professional University for placements while working at Toxsl Technologies Pvt. Ltd.