

Self-motivated, hardworking, open-source enthusiast, passionate about working in a challenging environment, sharpening my skills and applying my learnings for the betterment of society and focusing on organizational and individual growth.

Education

Period	Degree/Examination	Institution/Board	CGPA/Percentage
2020-2021	MBA in Information Systems and Operations	LM Thapar School of Management, Patiala	7.1 / 10
2016-21	BE in Computer Engineering	Thapar Institute of Engineering and Technology, Patiala	7.2 / 10
2014-16	Senior Secondary (12th Grade)	Delhi Public School, Amritsar (Punjab) CBSE	81.9%
2014	Matriculation (10th Grade)	Delhi Public School, Amritsar (Punjab) CBSE	9.4 GPA out of 10

Professional Experience

SimbaQuartz

Technology Architect (April 2020 - present)
-Software Development Engineer- remote (June 2020 - April 2021)
-Software Development Intern (December 2019 - June 2020)
-Remote Intern (April 2017- December 2019)

Skills

Scripts / Computer Languages	JavaScript - (Vanilla JS, ReactJS/React Native, ExpressJS/NodeJS) , Python, Groovy, Java/J2EE HTML, CSS, Freemarker, JADE, HandleBars
Database	Firestore, FireBase RTDB, PostgreSQL , MongoDB, MySQL , MS SQL Server
Version Control and administration	GIT Microsoft Excel, JIRA, MS Visio
Linguistic proficiency	English (SRW), Hindi (SRW), Punjabi (SRW)
Cloud technologies	GCP, AWS
DevOps	Jenkins, Travis CI, Circle CI, Github Actions, Bitbucket Pipeline, Vagrant, Docker, Docker Swarm, Kubernetes

Major Projects

1.

Manage My Org SaaS Product (USA) | *Lead Architect* | **Architecture, DevOps and Development** | **Live in Production** (July 2019 - Ongoing)
Through this I've managed to develop most of the modules. Through this, you can create leads and organize them. You are able to track the leads. Streaming among teams and clients is quite easy. Manages employee life-cycle. Encourage all teams – from marketing to engineering – to share announcements, strengthen company culture Manage quotes with pricing, capabilities, turnaround times, and quality of work, negotiating contracts, managing relationships. You can create a workspace, project, task, team, set goals, timesheets, and much more.
Tech Stack - ReactJS | NodeJS | Firebase | Ofbiz | Solr| Apache Server | PostgreSQL | Jenkins | Docker | Swarm
2.

IoT based Water Meter Management Tool (India) | *Lead Architect* | **Architecture, DevOps and Development** | **Live in Production** (April 2021 - Ongoing)
IOT Based solution to capture water meter's Reading and delegate the services related to business development for the client!
Tech Stack - ReactJS | NodeJS | Firebase | Ofbiz | Solr | Apache Server | PostgreSQL | Jenkins | Docker | Swarm | ChirpStack
3.

Zeus- SaaS Product (USA) | *Frontend Architect and Developer @ SimbaQuartz* | **Web Development & DevOps** | **Live in Production** (July 2019 - Feb 2020)
A cloud-based quote management tool to achieve operational excellence. Role included setting up architecture, making decisions and executing them, developing it, leading the team of developers, with high-quality coding guidelines, executing the sprints to achieve the product launch within 7 months.
Tech Stack - ReactJS | NodeJS | Firebase | Ofbiz | Solr| Apache Server | PostgreSQL | Jenkins
4.

Fidelis ZEUS Mobile App (USA) | *SimbaQuartz* | iOS/Android App Development | **Live in Production** (Apr 2018 - June 2019)
This is a Cross-Platform Mobile Application, delivering FIDELIS Inc. to manage their quotations. This app manages the tasks, events, and consumes REST APIs, which are developed under the OfBiz Framework.
Tech Stack - React-Native-Redux | Framework
5.

Smiles.Care Administrator (India) *Lead Developer* | *Smiles.Care* | Web Development | **Live in Production** | **Volunteered** (May 2018 - Jan 2019)
Built **end-to-end** Project for an NGO focused to achieve `No Barefoot Children` status in India. This project allows the NGO to *manage donations, manage campaigns, manage surveys*.
Tech Stack -ReactJS-UmiJS-DVA | NodeJS/ExpressJS | Firebase
6.

Mobile Precision Irrigation System (India) R&D Student | *Thapar Institute* | **Complete** | IOT Development | ([Details](#)) (Jan 2019 - Dec 2019)
This project focuses on collecting the essential soil data, using AI-based Robotic Buggy. The data will then be used by the Analysts to generate a modal, which will help to calculate the precise amount of water required by the crop and different points, within a certain radius. ([Video Link](#))
Tech Stack - RaspberryPI | React-Native | NodeJS | FireBase
7.

EveryStream Mobile App (USA) **Full Stack Engineer**| *SimbaQuartz* | iOS/Android App Development (Apr 2018 - Nov 2018)
iOS/Android Mobile App that allows users to multicast/simulcast live videos to different video streaming platforms like YouTube, Facebook, and Twitch.
Tech Stack - FFMpeg | React-Native | NodeJS | FireBase | Red5Pro API
8.

Jobwards (UK) **Full Stack Engineer** | *Philance* | Web Development (May 2018 - Aug 2019)
Jobwards was an AI-enabled online jobs marketplace for employers looking to increase diversity and inclusion in their workforce and employers are assured of getting qualified job applicants. My role was to develop an initial MVP, which included rapid development using the following stack.
Tech Stack - ReactJS-Redux | NodeJS/ExpressJS | Socket.io | MySQL | Jenkins

Awards and Recognitions

- **Delivered Workshop on 3D modelling in Blender** | *Thapar Institute of Engineering and Technology, Patiala 2019*
- **Runner Up, Smart Thapar Hackathon** | *Thapar Institute of Engineering and Technology, Patiala, 2019*
- **Runner Up at ZeroToOne Hackathon GNDU, Amritsar** | *Thapar Institute of Engineering and Technology, Patiala 2018*
- **Lead Basketball Team to Inter DPS Nationals** | *Delhi Public School, Amritsar*

Soft Skills

- Quick Learner and strong team player
- Helpful and positive attitude.

Hobbies

- Playing the guitar (<https://www.youtube.com/channel/UCjL-51O679eFrVnpbdkAGng/>)
- Playing basketball
- Listening to music and composing music (<https://www.soundcloud.com/manjot-singh-kalsi>)

Positions of Responsibility

1. **Designing Head, Co-Convener** | *Youth Welfare Club, 2018, 2019*
2. **Designing Head, Executive Body Member** | *Youth United Patiala Chapter, 2017-2018, 2018-2019*
3. **Corporate Social Responsibility Head** | *Saturnalia, 2017*
4. **Campaign Manager- Patiala** | *Smiles.Care 2017 - Till Date* | **Active volunteer**

References

- | | |
|---|---|
| • Mandeep Sidhu Director of Product Development at Fidelissd, US
- Former Technology Analyst, Global Corporate Payments, AMEX SLC Utah | https://www.linkedin.com/in/sidhumandeep |
| • Jatinder Singh Sidhu <i>Delivery Leader, TCS</i> | https://www.linkedin.com/in/jatinder-singh-825bbb31 |
| • Dr Shailendra Tiwari <i>Assistant Professor, Thapar Institute, Patiala</i> | https://www.linkedin.com/in/dr-shailendra-tiwari-68a2a713a/ |
| • Dr Ajay Kapur Chief Executive Officer, Jobwards | https://www.linkedin.com/in/ajay-kapur-0231686/ |