

# Sufyan Saleem

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*Highly motivated **Full Stack Developer** with an **MSc in Computer Science** from UiT and 5+ years of experience specializing in the **MERN stack** and cross-platform mobile development (**React Native/Expo**). I have a proven track record of delivering scalable web and hybrid mobile solutions for Norwegian service agencies. Seeking a challenging role to leverage my technical expertise and local academic background in modern development. **For more projects, please visit the portfolio website linked above.***

## Experience

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| <p><b>Aido AS</b><br/><i>Full Stack Developer</i></p> <ul style="list-style-type: none"><li>○ <b>Mobile Leadership:</b> Leading the end-to-end development of the core Hybrid Mobile Application (<b>React Native/Expo</b>), serving as the primary developer for architecture, feature implementation, and maintenance.</li><li>○ App available  iOS and  Android.</li><li>○ <b>Deployment &amp; DevOps:</b> Managed the automated <b>CI/CD</b> pipeline via <b>Bitrise</b> and <b>Bitbucket</b> to publish the Aido App successfully to both the <b>Apple Appstore</b> and <b>Google Play Store</b>.</li><li>○ <b>Web UI Contribution:</b> Assisted in front-end enhancements for the Management Web Application, utilizing <b>HTML, CSS, and Bootstrap</b> to refine UI components and improve user experience consistency.</li><li>○ <b>Technologies:</b> React Native, Expo, Material UI, Bootstrap, CSS, Bitbucket, Sentry, Bitrise, Django.</li></ul> | <p><b>Hybrid Norway</b><br/><i>July 2021 – til now</i></p> |
| <p><b>Linknbit</b><br/><i>MERN Stack Developer</i></p> <ul style="list-style-type: none"><li>○ <b>Full-Stack Engineering:</b> Engineered the <b>Missoq</b> e-commerce platform using <b>TypeScript</b> across the entire stack, developing a responsive <b>React</b> frontend and a scalable <b>Node.js/Express</b> REST API.</li><li>○ <b>Database design:</b> Architected a robust <b>MongoDB</b> database schema, utilizing TypeScript interfaces to ensure end-to-end type safety and reduce runtime errors.</li><li>○ <b>Cloud Deployment</b> Configured and managed the production environment on <b>Digital Ocean</b> for high availability and efficient scaling.</li><li>○ <b>Technologies:</b> React, Node.js, Express, TypeScript, MongoDB, SASS, Digital Ocean.</li></ul>  | <p><b>Remote</b><br/><i>Dec 2020 – June 2021</i></p>       |
| <p><b>Decklaration</b><br/><i>MERN Stack Engineer</i></p> <ul style="list-style-type: none"><li>○ <b>Agency Development:</b> Engineered web applications, backend services, and hybrid mobile solutions for a New York-based design agency.</li><li>○ <b>Backend &amp; Database Architecture:</b> Architected the backend for <b>Medtigo</b>, implementing secure user data synchronization from <b>Zoho</b> using <b>OAuth 2.0</b> and <b>Passport.js</b>, while managing an <b>Amazon SQL Database (RDS)</b> via <b>Sequelize</b> ORM.</li><li>○ <b>Security and deployment:</b> Strengthened application security by implementing measures against XSS and SQL Injection, and managed the deployment process on <b>Amazon Cloud (AWS)</b>.</li></ul>  | <p><b>Hybrid Pakistan</b><br/><i>Jun – Aug 2020</i></p>    |

- **Frontend Web & Mobile:** Collaborated on the development of the **Medtigo** mobile application in **React Native** and contributed to the **Mertium** fintech web platform, engineering responsive UI components using **React** and **TypeScript**.
- **Technologies:** Node.js, Express, Amazon RDS (SQL), Sequelize, Passport.js, OAuth 2.0, Zoho, Node Mailer, React, React Native, Typescript, Javascript, HTML, CSS, Less, AWS.

**Linknbit** **Onsite Pakistan**

*Software Engineer* Jan 2019 – May 2020

- Led development of multiple Web and Hybrid Mobile Applications for a software development consultancy.
- **React Web Development:** Developed and maintained internal and client-facing web portals using **React**, focusing on responsive design and REST API integration.
- **React Native Mobile Development:** Led the development of cross-platform apps including **Kyla** (Legal) and **SmartsAid** (NGO), integrating geolocation and **Firebase** services.
- **Full-Stack Integration:** Architected a mobile e-commerce solution (**Dokkani.co**), building custom bridges between **React Native** and **WordPress/WooCommerce** APIs.
- **Technologies:** Node.js, Express, MongoDB, Dynamo DB, React/React-Native, Expo, Material UI, Bootstrap, Native Base, Redux, Firebase, Rest API, Geolocation, Amazon.

## Education

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<b>UiT The Arctic University of Norway</b>	<b>Tromsø</b>
<i>Master in Computer Science</i>	2020–2022
<b>KPITB</b>	<b>Pakistan</b>
<i>Amazon Web services - Solutions Architect(Associate) Course, Online</i>	2020
<b>PIAIC Islamabad</b>	<b>Islamabad</b>
<i>Internet of things and AI Specialist Course, Only First Quadrant</i>	2019
<b>IMSciences Institute of Management &amp; Sciences Pakistan</b>	<b>Peshawar</b>
<i>Bachelor in Software Engineering</i>	2014–2018

## Technical Skills

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**Specialities:** Mobile/Hybrid App Developer and Web Developer

**Front-end:** React/React-Native, Next Js Redux, Expo, Javascript, Typescript, HTML, CSS,Sass, Bootstrap, Material UI, Tailwind

**Back-end:** Node.js, Express, Mongoose, Sequelize, Python, Flask, Django, Firebase,DynamoDB, S3 bucket, MongoDB, MySQL, PostgreSQL, Serverless functions.

**Tools & Platforms:** Git, Sanity, OAuth, Heroku, Netlify, Digital Ocean, Amazon cloud, Azure, Rest API, GraphQL, Bash, Xcode, Android Studio, ChatGPT, Claude, Github Copilot.

## Projects

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### 2026: AI-Driven Luxury E-Commerce (Passion Project)

Architected and engineered a full-stack luxury e-commerce mobile application using **React Native** and **Expo**. Integrated **Claude LLM (Anthropic)** via function calling to build an **agentic AI system** for natural language product discovery. Implemented a headless architecture using **Sanity CMS**, **Clerk** for secure authentication, and **Stripe** for payment processing, all powered by **Vercel** serverless functions. **Key Achievement:** Built a dynamic GROQ query builder that leverages large language model (**LLM**) reasoning to translate AI conversations into precise database searches. Technologies:

React Native, Expo, Claude LLM, Agentic AI, Sanity, CMS, GROQ, Clerk, Stripe, Vercel Serverless.

### **2022: *Nudging based on users preferences using Fitbit (Master Thesis)***

Developed a full-stack system to combat global physical inactivity (linked to issues like heart disease and diabetes) by delivering personalized, health-conscious activity recommendations, or "digital nudges," based on user preference and real-time vital data from a **Fitbit API**. Engineered the backend logic in **Python/Flask** to process incoming vital data, generate tailored nudges to achieve minimum required steps, and effectively close the loop between wearable data and user action through a mobile interface. The system was validated by real users, with feedback confirming its effectiveness in urging them toward greater activity. Technologies: Expo, Firebase, Python, Flask, Rest API, Fitbit API, React Native Paper.

### **2022: *Migraine Prediction with Empatica E4 (University Project)***

Designed and developed the mobile application front-end for a university research project focused on collecting physiological data for migraine prediction. Key Achievement: Successfully implemented **Bluetooth Low Energy (BLE)** integration to securely connect with the Empatica E4 wristband, managing data ingestion and transferring health data to research APIs. Technologies: React Native, Expo, Bluetooth, Empatica E4, APIs.

### **2021: *Chord: Scalable Peer-to-Peer Lookup (University Project)***

Implemented the Chord distributed hash table (DHT) algorithm for a scalable peer-to-peer lookup system, forming the basis for a key-value store prototype. Key Achievement: Designed and tested the distributed system logic using **Node.js** and **Python** on the **UiT Cluster**, demonstrating competence in high-performance and distributed computing environments. Technologies: Node.js, Python, Shell/Bash, Distributed Systems (Paper: <https://dl.acm.org/doi/10.1145/964723.383071>).

### **2018: *Currency Recognition & Conversion (Bachelor Thesis)***

Designed and implemented a native mobile application to automate the scanning, identification, and valuation of currency notes, providing real-time conversion to USD. Key Achievement: Utilized **OpenCV** for robust computer vision-based currency recognition and integrated a Rest API for current exchange rate data. Technologies: Android, Java, OpenCV, Rest API, MATLAB.

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## **Hobbies**

- Programming (no surprise there!), Music, Movies, Video Games, Reading, Hiking, Gym, Indoor Climbing, Football, Traveling.

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## **Languages**

English, Pashto, Urdu	<i>Fluent</i>
Norwegian	<i>Intermediate</i>

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## **References**

Available upon request