

Sufyan Saleem

Asgårdvegen 23 – 9016 Tromsø – Norway

* 04 January 1996 • 📞 +47 48658522 • ✉️ sufyansalim94@gmail.com
🌐 <https://sufyansaleem.net> • in sufyan-saleem • 🌐 sufyansalim

*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

Aido AS

Full Stack Developer

Hybrid Norway

July 2021 – til now

- **Mobile Leadership:** Leading the end-to-end development of the core Hybrid Mobile Application (**React Native/Expo**), serving as the primary developer for architecture, feature implementation, and maintenance.
- App available 🍏 iOS and 🤖 Android.
- **Deployment & DevOps:** Managed the automated **CI/CD** pipeline via **Bitrise** and **Bitbucket** to publish the Aido App successfully to both the **Apple Appstore** and **Google Play Store**.
- **Web UI Contribution:** Assisted in front-end enhancements for the Management Web Application, utilizing **HTML, CSS, and Bootstrap** to refine UI components and improve user experience consistency.
- *Technologies:* React Native, Expo, Material UI, Bootstrap, CSS, Bitbucket, Sentry, Bitrise, Django.

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MERN Stack Developer

Remote

Dec 2020 – June 2021

- **Full-Stack Engineering:** Engineered the **Missoq** e-commerce platform using **TypeScript** across the entire stack, developing a responsive **React** frontend and a scalable **Node.js/Express** REST API.
- **Database design:** Architected a robust **MongoDB** database schema, utilizing TypeScript interfaces to ensure end-to-end type safety and reduce runtime errors.
- **Cloud Deployment** Configured and managed the production environment on **Digital Ocean** for high availability and efficient scaling.
- *Technologies:* React, Node.js, Express, TypeScript, MongoDB, SASS, Digital Ocean.

Decklaration

MERN Stack Engineer

Hybrid Pakistan

Jun – Aug 2020

- **Agency Development:** Engineered web applications, backend services, and hybrid mobile solutions for a New York-based design agency.
- **Backend & Database Architecture:** Architected the backend for **Medtigo**, implementing secure user data synchronization from **Zoho** using **OAuth 2.0** and Passport.js, while managing an **Amazon SQL Database (RDS)** via **Sequelize** ORM.
- **Security and deployment:** Strengthened application security by implementing measures against XSS and SQL Injection, and managed the deployment process on **Amazon Cloud (AWS)**.

- **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.

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Software Engineer

Onsite Pakistan

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

UiT The Arctic University of Norway

Master in Computer Science

Tromsø

2020–2022

KPITB

Amazon Web services - Solutions Architect(Associate) Course, Online

Pakistan

2020

PIAIC Islamabad

Internet of things and AI Specialist Course, Only First Quadrant

Islamabad

2019

IMSciences Institute of Management & Sciences Pakistan

Bachelor in Software Engineering

Peshawar

2014–2018

Technical Skills

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

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.

Hobbies

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

Languages

English, Pashto, Urdu

Fluent

Norwegian

Intermediate

References

Available upon request