





PERSONAL INFORMATION

Abdullah Abdullah

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A Software Engineer who loves playing around with Full Stack Development, a fresh off the boat from Pakistan who's looking to make new friends here in Sweden.

WORK EXPERIENCE

AUG 2022 – PRESENT

Software Engineer

WERGONIC – Flexible Contract (Full Time)

- Full Stack Engineer for a KTH Startup working on building a smart solution for risk assessment.
- Team Lead, managing a team of 4 persons using Agile Methodologies.
- Working with React, Node JS, ORY and ORY Cloud, Digital Ocean, Timescale DB.

JUN 2022 – JUL 2022

Software Engineer - Summer Intern at Aftonbladet

SCHIBSTED – Full Time

<https://schibsted.com/>

- Team member of Aftonbladet Brand Team.
- Working with React, Next JS and Node JS and DevOps to improve the user experience of Aftonbladet website having a daily traffic of over 4 million users in Sweden.

FEB 2021 – AUG 2021

Software Engineer

STELLA TECHNOLOGY – Full Time

<https://stellatechnology.com/>

- Team member of Project EQUINOX (a clinical care and telehealth solution).
- Working with Java, Spring Boots, and React to build different features for Project Equinox.
- Following Agile methodologies for Software Development using JIRA.

AUG 2020 - JAN 2021

Full Stack Engineer

TECHEASE Solutions Private Limited – Full Time

<https://techeasesol.com/>

- Responsible for full stack development of mobile and web apps.
- Responsible for developing Rest API's using Java and Spring Boots.

JULY 2019 – JULY 2020

Application Developer – React Native & AWS

Fiverr - LOOPN App. Inc, USA - Remotely Working

<https://loopnapp.com/>

- Responsible for developing the LOOPN App for IOS and Android Platforms using React Native and AWS as cloud and backend provider.

Play Store Link: <https://play.google.com/store/apps/details?id=com.loopnapp.com&hl=en&gl=US>App Store Link: <https://apps.apple.com/us/app/loopn/id1532277748>

- Developed real time chatting with live notifications using GRAPHQL, AWSAppSync, AWS Pinpoint. Built Video on Demand system using AWS S3, AWS Lambda, AWS Cloud Front ensuring smooth and fast video streaming in App. Responsible for development of simple Video Editor with react-native-FFMPEG.

ACADEMIC EXPERIENCE

FINAL YEAR PROJECT 2019 - 20

Authenticating Farm Machinery using Data Analytics and AI.

A project funded by the Agricultural Board of Punjab, Pakistan.

- Project Summary: Collecting IoT device data from Farm Machinery using a Reservation System and uploading to Cloud where robust Machine Learning Algorithms are deployed to verify the agriculture machinery usage for effective resource allocation.

My Contributions: AWS Cloud Management and Mobile Application Developer.

- Responsible for building the reservation system for the project including two mobile apps using React Native. (Machinery Owner app, Farmer app).
- Read and calibrated raw sensors data coming from IoT sensor tag TI 2650 using JavaScript Bluetooth modules.
- Responsible for storing sensors data in csv format along with GPS co-ordinates, timestamp and uploading to AWS S3 from the machinery owner mobile app.
- Tracking live location of Machinery on farm during a reservation placed by farmer.

EDUCATION

AUG 2021 – MAY 2023

Master's in Software Engineering of Distributed Systems

KTH Royal Institute of Technology Stockholm, Sweden.

Courses taken till now

- ID2207 - Modern Methods in Software Engineering
- ID2201 - Distributed Systems, Basic Course
- ID2209 - Distributed Artificial Intelligence and Intelligent Agents
- DH2642 - Interaction Programming and the Dynamic Web
- ID2203 - Distributed Systems, Advanced Course
- DD2520 - Applied Cryptography
- ID2012 - Ubiquitous Computing
- DD2482 - Automated Software Testing and DevOps
- ID2221 - Data Intensive Computing
- II2202 - Research Methodology and Scientific Writing

SEP 2016 – AUG 2020

Bachelor's in Computer Engineering

University of Engineering and Technology, Pakistan.

CGPA: 3.45 / 4.00

SKILLS / EXPERIENCE

Programming Languages

Java, JavaScript, Typescript, C++

Front End

React, React Native, Redux, CSS/SASS.

Back End

Spring Boots, NodeJS, REST APIS, Microservices and Monolithic Architecture.

Cloud Computing

Experience with AWS and Firebase.

Databases

PostgreSQL, MongoDB, DynamoDB.

Version Control and DevOps

Git, GitHub, Docker, Containers, Kubernetes

ADDITIONAL INFORMATION

UNIVERSITY / SIDE PROJECTS

- ADVANCED ENCRYPTION STANDARD 128-BIT - CBC and ECB mode for Images and Text using C++ and OpenCV which encrypts and decrypts the text and images built as a part of semester project for Computer Security Course.
(Link: https://github.com/Abdullah1428/AES_128bit_OPENCV_PROJECT)
- SWEDISH EVENT PLANNERS - A MERN (MongoDB, Express, React, NodeJS) stack-based event planning application built using agile approach (scrum, Kanban board, retrospectives etc.) as a part of course project.
(Link: <https://github.com/Buchi95/sep-system>)
- COURSEY - A full stack MVP interactive application that helps students find and review cool KTH Courses built using (React, NodeJS, Express, Firebase and React-Bootstraps) as a part of course project.
(Link: <https://qits-15.sys.kth.se/ayushman/coursey-app>)
(Deployed Link: <http://coursey.herokuapp.com/>)
- LIVE AUCTIONS - A Serverless Framework and Microservices Architecture based web application where users can live bid on different items and will get notified if they were the highest bidder built for a local client.
- PRO SHOP APP - E-Commerce based mobile application with JWT authentication and admin panel built using React Native, Redux, NodeJS and MongoDB for a client and later open sourced as general application
(Link: <https://github.com/Abdullah1428/E-Commerce-Shop-React-Native>)
- PRO SHOP WEB - E-Commerce based web application with JWT authentication and admin panel to manage products built using React, Redux, NodeJS and MongoDB for a client and later open sourced as general application.
(Link: <https://github.com/Abdullah1428/E-Commerce-Shop-MERN-Stack>)
- DEVELOPER CONNECTOR - A social media web application built using MERN Stack to connect developers where they can share their profiles, posts, like, unlike and comment on other fellow developers' posts built as a learning project during an online course.
(Link: <https://github.com/Abdullah1428/Social-Connector-MERN-Stack>)