

Albin Arun

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An aspiring Computer Science & Engg. undergrad with a natural curiosity for technology, adroit at areas like problem solving and critical thinking. I love to work on things which kindle my curiosity, learn new things and keep myself updated by exploring and experimenting with new technologies.

Technical Skills

Programming Languages: C/C++, Python, Java, JavaScript.

Frontend: Android App Development - Flutter || Web Development - React+Redux, Vanilla Stack (HTML/CSS/JS).

Backend: NodeJS, ExpressJS, Firebase Services.

Database: MongoDB, AWS DynamoDB, Firebase RTDB.

Cloud: Amazon Web Services, Firebase.

Testing: Postman, Jest.

Area of expertise: Full Stack Development, DevOps.

Experience

Adiuvo Diagnostics Pvt Ltd

Chennai

Full Stack Developer (Internship)

October 2021 – Present

Built custom backend services for one of the core product which was implemented using firebase initially. Migrated the backend services from GCP to AWS. Designed a comprehensive cloud architecture on AWS which dynamically scales well and has zero downtime. Developed various internal and external web app tools. Currently developing a completely new product (Teleconsultation app) from scratch.

VBIND INNOVATION PVT LTD

Chennai

Full Stack Developer (Internship)

May 2021 – August 2021

Lead a team of interns in developing an android app for the Karthavya line of IOT Products by VBIND Innovation (Touchless temperature screening devices). This app is used by customers of this IOT device to add/sync their device and see the real time data from the device on the go.

Projects

dStream — One stop entertainment adobe to derivate assets from the digital data you create.

Created a video sharing and NFT platform where users can create video NFT's and own exclusive rights to any digital asset. It also features a marketplace to facilitate transfer of digital content ownership. Currently the contract is hosted on Polygon Mumbai Testnet, but the future goals include incentivising users and content creators with crypto.

Live app: <https://d-stream.vercel.app/>

Openbase — An open source alternative of Firebase

Built an open-source NoSQL realtime database, Openbase RTDB. It has an API fairly similar to firebase realtime database. It allows users to store and sync data across multiple clients. Data is stored as JSON and synchronized in realtime to every connected client. It uses CurlyDB internally to store and persist data.

CurlyDB — A simple yet powerful in-memory JSON database

Developed and released a npm package which provides a simple interface for an in-memory database. Mainly used for caching data and to store keys and tokens such as temporary authenticated JWTs. It also features data persistence.

Avior — A decentralized communication system

Developing a decentralized chat application which paves a secure way to communicate between peers and revolutionize how chat systems work. The clients will own their own data instead of a single server storing all the user data.

Sage — Automated stock trading and stock price prediction using machine learning

Developed a program which trades stocks automatically using a machine learning algorithm that predicts short term stock prices using LSTM, a type of recurrent neural network.

Licenses & certifications**Javascript (Intermediate)**

Hackereank

Credential ID 041270e2a07c

June 2021

Rest API (Intermediate)

Hackereank

Credential ID 4085493e26fd

June 2021

Problem Solving (Intermediate)

Hackereank

Credential ID 67ab46c899c8

June 2021

Android App Development

Udemy

Credential ID UC-964f8475-6444-4bea-83fc-8f53edce79f5

Jan 2021

Education**Velammal Engineering College**

B.E. Computer Science And Engineering

CGPA: 8.88

Surapet, Chennai

2019 - 2023

Zion Matriculation Hr. Sec School

Higher Secondary Education with Physics, Chemistry, Mathematics and Computer Science majors (XII)

Percentage: 75.3%

Cut-Off percentage (PCM): 78.25%

Selaiyur, Chennai

2017 - 2019

Srimathi Sundaravalli Memorial School

SSLC (X)

CGPA: 8.6

Perungalathur, Chennai

2016 - 2017