

Sudharsan Ravikumar

Senior Full Stack Engineer

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SUMMARY

I am a proficient Senior Full-Stack Engineer and Entrepreneur with a keen ability to design and develop Web, Mobile, Desktop, and Terminal applications using various frameworks and languages such as Ruby on Rails, Node.js, Golang, Python, and React/Angular, among others. My experience in architecting, developing, and deploying Web/Mobile apps has catered to over one hundred thousand users and has demonstrated exceptional scalability.

My primary focus is on code quality, maintainability, and architecture metrics. I have extensive experience designing and testing full-stack, monolithic, and microservices-based applications. Throughout my career, I have developed over fifty applications across various domains, including Finance, University Research, Institutions, Blockchain, Crypto Exchange, Crypto Trading, Payment processing, Medical, Food delivery systems, Cart-based e-commerce, and Stock market.

EDUCATION

Master of Science, Financial Technology (Computer Science & Electronics Engineering)

University of Essex

03/2023 - 12/2024

- 1. Computational Market Microstructure of Fintech and Digital Economy
- 2. Introduction to Python Programming (Mastering Python)
- 3. Introduction to Financial Market Analysis (Black Scholes Model, etc.)
- 4. Big Data in Finance (ML, DL, AN, KNN, KMEANS)
- 5. Big Data in Computational Finance
- 6. Applications of data analysis (British Housepanel survey, etc.)

Diploma in Mobile Applications Development

Georgian College (Ontario, Canada)

05/2021 - 04/2022

- Basics of IOS storyboard and SwiftUI
- Mobile Network communication.
- Entrepreneurship for mobile applications.
- Advanced IOS and Android.
- JAVA, KOTLIN basics.
- Built a Whatsapp clone as the final year project.

B.Tech Information Technology

Anna University - India

2011 - 04/2015

SKILLS

Front-End

ReactJs/Redux Next.js

Angular (any version) Vue.js

SASS/Tailwind/Flexbox/Flex Grid

React Native

Back-End

Golang Python Rust Typescript

Node.js (Express/Loopback/Nest.js)

Ruby on Rails

Ethereum/Solidity/Solana/DAPPS

Databases & Tools

MYSQL / POSTGRESQL MongoDB

AWS DynamoDB / RDS

Redis / Elasticsearch

Docker / Kubernetes / AWS EC2 & beanstalk

AWS Lambda/SNS/SES/API Gateway

Bitcoin & Ethereum Blockchain

Web3 (Ethers/Wagmi/Viem) Puppeteer

RethinkDB

LANGUAGES

English C1 level, Native Language

Sanskrit - Limited Working Proficiency

ACHIEVEMENTS



FoodHub - Menu Automation

I automated the way Food Menus were processed manually and saved over tens of thousands of man-hours.



Built a Decentralised Crypto Exchange

Built Decentralized Cryptocurrency exchanges, Trading platforms and Wallets in the form of websites, mobile apps, desktop app, Chrome extensions, and Terminal based applications.

EXPERIENCE (10 YEARS)

Co-Founder & Senior Full Stack Engineer

hashflow

📅 08/2018 - 12/2023 📍 San Francisco Bay Area (Remote)

🌐 hashflow.com

Hashflow is a Hybrid Market Maker on Ethereum that provides a bridge between liquidity provided by professional market makers and users who wish to trade on-chain. The key advantage of Hashflow is that market makers can source liquidity from anywhere and price assets using off-chain pricing functions backed by cryptographic signatures.

- Built Decentralized Cryptocurrency Exchange and Wallet from scratch in the form of a website, mobile app, desktop app, Chrome extension, and Terminal-based application.
- Collaborate with a team based out of the San Francisco Bay Area to add more features to the existing products.
- Implement best practices to manage crypto wallets using technology and tools like Node.js, Web3.js, Electron.js, Chrome extensions, and React/Redux.
- As a Full Stack Engineer, I built a Decentralized Application from scratch to manage liquidity funds and Trading.
- Implement Isomorphic React with Node.js as Backend and frontend consuming React / Redux/ Typescript and other tool chains
- Build a Trading API using Python (Django Rest) connected to Firebase.
- Participate in Marketing outreach meetings and work along with different stakeholders to give the end users a better experience.
- Implement Websocket servers using GoLang
- I am one of the primary contributors to helping the firm raise USD 3.5 million in seed funding.

Senior Software Engineer

Glidewell Dental

📅 03/2023 - 10/2023 📍 United States (Remote)

Glidewell empowers practitioners with dental lab services, technology and education.

- Build and support Glidewell Mobile Application based on React Native to order and track dental cases.
- Developed {5} dental lab applications in TypeScript/React.JS, enhancing clinic efficiency by {25}%.

Software Consultant

Software Consultant

📅 10/2022 - 03/2023 📍 International

Consulting and acting as an advisor for Film editors and local business founders to convert their Web2 business into Web3.

- Led the development of a private blockchain for a construction firm, improving data security by {25%} by customizing Python protocols.
- Create Proof of concepts related to Nest.js and Next.js.
- Build the Frontend of a Real estate mortgage platform using React.JS /Typescript where stakeholders can refinance or apply for loans for properties in the United States of America.
- Integrate Web3 on the Frontend of a construction platform to communicate with their smart contracts.

Senior Full Stack Engineer

TabSquare

📅 04/2022 - 10/2022 📍 Singapore (Remote)

TabSquare's AI-powered solution helps Restaurants manage in-store, online, takeaway and delivery to increase average order size and dramatically reduce labor costs.

- Enhanced revenue by {15%} by implementing seamless checkout and Stripe integrations on the Node.js backend.
- Which of your achievements match the job you're applying to?
- Participate in technical interviews to complement hiring.

PASSIONS

💎 Chess Master

💎 Astronomy

EXPERIENCE (10 YEARS)

Senior Software Engineer

FoodHub (Formerly - Touch2Success)

📅 02/2020 - 11/2020 📍 Chennai - India

Food Hub operates in the food industry since 2017. I Introduced Menu Automation into the plate and managed to automate over tens of thousands of man-hours.

Menu Automation means the ability of the bot to process menus in the form of images or competitor links and persist them in the DB. This was done manually by fellow staff before the automation.

- Introduce and develop several automation products that saved tens of thousands of hours and empower the organization to rapidly onboard new clients.
- Developed a Menu Automation product that scans Restaurant's Menu images/links and converts them into business data using Node.js, Google Vision APIS, React/Typescript/Redux frontend, and other persistence solutions to track the data processed.
- Developed multiple Chrome extensions single-handedly that supercharge stakeholders to extract information quickly from the competitors.
- Developed multiple software solutions, which in turn optimized the efficiency and improved Average Handling Time.
- Conduct Technical interviews.

Full Stack Developer

WebCrafters

📅 04/2015 - 08/2018 📍 Chennai - India

A digital agency that provides tailored technological solutions to businesses internationally.

- Developed 30-plus projects using Node.js (Express/Loopback 3/Loopback 4), Ruby on Rails, React (Web & Native applications), Angular (old and latest versions), Ionic framework (old and latest versions), Cordova.
- Deployment using AWS EC2, elastic beanstalk, docker, docker-Compose, AWS ECS, Heroku.
- R&D, Build CLI's and terminal based applications for **Gigster**: (An organization based out of Bay Area).
- Participate in project scoping discussions with stakeholders to Develop and deploy them.
- Conduct screening and technical interviews.