

Vivek Sharma

Senior Software Engineer, Full-stack

HBTI post-graduate with command over Nodejs, Express, MongoDB/SQL, React, and Vanilla JS. Core understanding of Front-end and Back-end Web development; with a good grip on ReactNative based App development.



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github.com/Gravity-I-Pull-You-Down



SKILLS

- NodeJS
- Express
- MongoDB
- SQL
- BigQuery
- React-Native
- Regex
- JavaScript
- ReactJs
- C/C++14
- Antrl4
- Git
- Linux
- Angular



WORK EXPERIENCE

Senior Software Engineer, FullStack upGrad (Harappa Education)

06/2022 - Present

Okhla, New Delhi

A Soft skills learning portal. One of the best in the B2B market.
Projects I worked on.

- [Integrated Program Journey \(IPJ\)](#)
- [Thriversity](#)
- [Harappa School of Leadership \(HSOL\)](#)
- [Admin Portal for Thriversity](#)
- [Admin Portal for IPJ](#)

SSO Settings portal (for both IPJ and Thriversity)

- Engineered and implemented custom data ETL pipeline for MongoDB to BigQuery. Previous pipelines were implemented over Hevo. The customization exercise resulted in reducing data migration time by 35% and an annual saving of over 1000 USD against the Hevo license fee and over 600 US against GCP Billing.
- Created scalable and efficient Mongo queries/APIs to record learners' live progress and to fetch an aggregated view of their course coverage, including Video Content, live Master Classes, and attempted Exercises.
- Successfully automated SAML-based SSO integration process. Which currently caters to more than 20 SSO clients along with 7 plus unique Identity providers. It reduced integration time by automating standard steps using passportsJS.
- Have integrated several 3rd party applications in the portal based on requirements. To mention a few - Outlook and Google-based Calendar Integration, Zoom Meeting integration, and CleverTap integration for event-based Nudging system.
- I received an appreciation email for my work (Q1 23-24) from the Associate Director of Engineering, with the CEO and CTO in Cc.

Software Developer Sapphire Applications

01/2021 - 05/2022

WFH

Data visualization and Web Development

- Utilized React-Native to develop an Android and IOS application for sharing contacts via QR codes.
- Implemented a Front-End for displaying documents such as ERDs, DFDs, etc. based on the output of the ANTLR parser.
- Developed a COBOL parser using ANTLR4, by defining the right regex to read COBOL grammar.
- Express/Node-based APIs development to read the data populated by programs written in legacy programming languages such as RPG, COBOL, etc.



EDUCATION

M.C.A Harcourt Butler Technical University

08/2019 - 05/2022

Kanpur, 8 C.G.P.A

B.C.A Maharaja Surajmal Institute (GGSIPU)

08/2016 - 05/2019

Delhi, 8.2 C.G.P.A



PERSONAL PROJECTS

POSHAN Mobile APP (03/2019 - 04/2019)

- A mobile application developed as a step towards helping the malnourished and underserved children of today to become the healthy youth of tomorrow.
- Full Stack Development using Android Studio, Java, Cloud Firestore, and Firebase.

EPHIALTES OF TRACHIS (11/2018 - 01/2019)

- This tacky program hides in the subject's PC (Windows OS), and silently records all keyboard and mouse operations.
- Backend Developer, C++.