Abhay Kumar Singh
M.Tech. CSE | Indian Institute of Technology Guwahati | passed 2015

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Summary

4+ years of professional experience.

Everywhere I worked, my job generally entailed interacting with, understanding and collecting requirements from clients; researching, brainstroming with and proposing ideas to teams; collaborating with customers and junior colleagues; designing reusable software components, implementing features, refactoring, reviewing code, fixing bugs; improving perfomances of apps; conducting interviews for new hirings; I have also worked on many other major and minor projects not mentioned here (for details, check out my linkedin profile).

Experience

Multigraphics (Edinso), 2019 - 2020
Software Engineer | on Edinso(Neo) and its variants | React Native, JavaScript

Edinso(Neo) was mainly developed for students of coaching institutes. The app provides features to buy different courses, to study in pdf and video formats (content also available offline) to take live classes, to take practice tests and quizzes, and to obtain performance reports.

Responsibilities other than those mentioned in the summary include designing, creating mockups, sketches, usecase navigation flow diagrams and finally implementing the screens; implementing kiosk mode for a variant, restricting video view based on allowed timelimit; maintaining codebases versions, syncing different repositories, maintaining npm package dependencies, building and deploying apps to the google playstore.

11Techsquare, 2015 - 2016
Software Development Engineer | on Oscan | C++, Qt, Opencv, Cryptopp

As opposed to traditional hardware based scanners, Oscan is a cost-effective software solution for extracting data from omr sheets easily and accurately, using a very simple user interface.

I developed a new product component called Template Creator replacing the old one to decrease the time taken by user to create a template from hours to about 20 minutes, thereby improving the user experience. Other minor works include the implementation of licensing mechanism and support for sheets having omr fields both at the front and the back.

Teaching Assistantship
TAship in (a) Computing Laboratory and (b) Comp. Peripherals & Interfacing Lab for 2 Years at Indian Institute of Technology Guwahati during my M.Tech. Programme.

Master's Thesis
Network Resource Discovery: Mobile Agents vs Traditional Approaches - A Comparative Study

This thesis presented an investigation into the applicability and appropriateness of mobile agent technology against other network resource discovery techniques such as message flooding, in terms of their individual performances.

Skills
C, C++, Modern JavaScript, Python, Java, SQL, Linux (Ubuntu) and more