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Shivam Tiwari
Software Engineer

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SUMMARY

With a foundation in cutting-edge technologies and a proven track record of impactful contributions, I am eager to take on new challenges and continue my journey of innovation in the field of software development.

TECHNICAL SKILLS

Skills	Javascript, Golang, Typesript, HTML, CSS, SQL, Java.
Frameworks	React.js, Nodejs, Redux,Reactflow.
AWS Skills	Lambda, Codecommit, CodeBuild, CloudFront, S3, SQS, Batch.
Area of interest	Web Development, Backend Development, Data Structure and Algorithms, System Design.
Tools	Elastic, Postman, Linear, Git, Docker.

WORK EXPERIENCE

Software Engineer   **10/2023 - present**

Ivoyant Systems Pvt Ltd -> Project - **Orchestration Engine**

- Building reusable components to implement context menus, flow charts , auto- layouting diagrams features using **redux, reactflow**.
- Worked on critical problems such as **undo-redo, drag-n-drop feature** for moving assets including updation of data using dependency hash tables using **redux, context-api, react-dnd, listeners, emitters and hash mappings** .
- Efficiently created funcionality to **export or import assets** along with its dependencies.

Software Engineer   **7/2022 - 8/2023**

Borderfree Technologies Pvt Ltd -> Project - **REVO 2.0**

- Successfully integrate a pioneering Shoppable Videos feature handling **React.js UI/UX components** into REVO.
- Building **overlay components like polls, banners, products to improve user interaction** for live-stream using React.js,Redux and Websockets.
- Pioneered the implementation of **concurrency control measures in Nodejs and Golang APIs (Lambda functions), eliminating race conditions which led to reduction in bugs by 70%**.
- Image optimatization tool built in **Nodejs and sharp package in AWS Lambda** to improve image load time by 70%.
- Elevated user experience by **reducing load time 50%** , by automating mp4 video to HLS(m3u8) using **Docker,ECR and AWS batch**.
- Drove **website optimization** initiatives, resulting in **reduced load times by 1s** via SSR, gzip, and Cloudfront caching for static S3 webpage hosting.
- Engineered **3rd-party APIs in Golang** tailored to **10+ client-specific** requirements, enhancing product functionality.

Junior Software Engineer   **01/2022 - 6/2022**

Borderfree Technologies Pvt Ltd -> Project - **REVO 1.0**

- Effectively maintained and fortified React.js and Redux while promptly addressing bugs with tools like **Redux, CodeCommit**.
- Modifications with meticulous attention to pixel-perfect **CSS and Redux to enhance React.js functionalities**.

PERSONAL PROJECTS

Seam Carving (Github)   **03/2021 - 05/2021**

- Engineered a algorithm using **python and seamlessly integrated it with Django**, resulting in an efficient and reliable solution.
- Users can upload photos and view new dimensions alongside **carved image using dynamic programming** , which made it 110% faster than traditional methods.

BCF invoice (Github)   **11/2020 - 12/2020**

- Orchestrated the end-to-end development of a comprehensive **cross-platform application using React-Native**, ensuring seamless functionality across both Android and iOS platforms..
- Focused on **efficient storage of daily invoices**, ensuring seamless bill creation and editing , facilitating **export data into excel format**.

EDUCATION

Bachelor of Engineering, Dr. Ambedkar Institute of technology,Bengaluru,CGPA: 8.63	**2018-2022**
Higher Secondary(12th), CBSE, Gyan Eductional Institution,Guwahati, Percentage: 80.1/100	**2017**

CERTIFICATES

- **The Complete JavaScript Course 2023: From Zero to Expert**   08/2023
- **Data Structure and Algorithm with C++**   09/2020