Bengaluru
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Shivam Tiwari
Software Engineer

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github.com/shivam

TECHNICAL SKILLS

Skills	Javascript, Typesript,Node, Golang, Java, HTML, CSS, SQL.
Frameworks	React.js, Redux, Reactflow, Antd , MaterialUI ,Express.js, Nest.js .
AWS Skills	Lambda, Codecommit, CodeBuild, CloudFront, S3, SQS, Batch.
Area of interest	Full stack Development,API design and development, Databases , System Design, Micro-frontend.
Tools	Elastic, Postman, Linear, Jira , Git, Docker.

WORK EXPERIENCE

Software Engineer   **10/2023 - present**
Ivoyant Systems Pvt Ltd -> Project - **Orchestration Engine**

- Resolved critical problems, including **Undo-Redo, Drag-n-Drop, Context Menus, Auto-layouting** features, leading to application stability and responsiveness using technologies such as **React, React-flow, Redux, ContextApi, react-dnd, event listeners-emitters, and HashMaps**.
- Used technologies such as **react-flow, ContextApi, react-dnd, event listeners-emitters, and Bidirectional Maps**.

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 2.0 .
- Building **Overlay components like polls, banners, products for user interaction** during live-stream using React.js,Redux and Websockets
- Pioneered the implementation of **concurrency control measures in Nodejs (Lambda functions), eliminating race conditions which led to reduction in bugs by 70%**.
- Elevated user experience by **reducing load time 50%** , by automating mp4 video to HLS(m3u8) using **Node, Python, Docker,ECR and AWS batch** .
- Image optimatization tool built in **Nodejs and sharp package in AWS Lambda** to improve image load time by 70%.
- Drove **website optimization** initiatives, resulting in **reduced load times by 1s** via SSR, gzip, and Cloudfront caching.

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

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