

Bengaluru  
shivam21.t@gmail.com  
8638403543

# Shivam Tiwari

## Software Engineer

portfolio.website.com/shivam  
linkedin.com/in/shivam  
github.com/shivam

### TECHNICAL SKILLS

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

### WORK EXPERIENCE

**Software Engineer** 10/2023 - present

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

- Writing REST APIs for CRUD operations using **Node.js** for workflows, activities and resources.
- Resolved critical problems like **Undo-Redo**, **Drag-n-Drop**, **Context Menus**, **Auto-layouting**, **Export and Import** features, leading to application stability and responsiveness.
- 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**

- 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 optimization 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.
- 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

**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 Education 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