


# Saurabh Bhagat

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I am Saurabh, a Frontend Engineer and UI/UX Developer.

Over the past 5+ years of professional work experience, my journey has taken me through various business domains, including Financial Risk Management, Regulatory Compliance, and Automation.

I have enjoyed creating both frontend and backend systems, enhancing productivity with innovative tools, and streamlining workflows with DevOps.

## Education

🎓 Bachelor of Engineering in Computer Science  
Mumbai University  
Year 2019

## Skills

🔗 React    🌈 Vue    📄 JavaScript  
📝 TypeScript    📦 NPM    📦 NodeJS  
🎨 Figma    🔥 Firebase    🦊 Bicep  
☁ Azure    ☕ Java

## Achievements

2016  
CodeVita Contest  
Global Rank 1188

2018  
DigiFest Hackathon  
Merit

2019  
Smart India Hackathon  
Amadeus IT Group  
Finalist

2021 & 2022  
Special Initiative Award

2023  
Commitment Award

## Work Experience

### Frontend Engineer, Tata Consultancy Services

June 2019 – Present

- Led the migration of a legacy codebase to Vue, complete with a functional test suite and over 95% code coverage.
- Upgraded build tooling to Vite, resulting in faster build times.
- Contributed improvements and fixes to Lit components of the common design system library.
- Created a functional test suite using TestCafe with CICD integration, significantly reducing regression testing effort.
- Created both simple and complex screen mock-ups and static designs while maintaining continuous feedback.
- Fixed tree-shaking issues, introduced code-splitting, and moved to gzip compression, resulting in bundle size reduction from 1374 kb to just 550 kb and ~20% improvement in initial load time.
- Mentored three juniors and conducted numerous sessions on React and Vue.
- Developed automation tools to assist in database migration using React and Java.

### DevOps Engineer, Tata Consultancy Services

June 2019 – Present

- Migrated two applications from on-premises to Azure.
- Built a common IaC library of generic Bicep modules with pipelines for auto-publishing.
- Implemented an application monitoring process with alerts, incidents and a metrics dashboard.
- Built pipelines for automated network provisioning on Azure.
- Developed an ETL Data Pipeline using NodeJS and Serverless Function Apps.
- Reduced infrastructure costs by 50% by evaluating application load and SKUs.

## Side Projects

### vAP

React

A web-app to create visual programs for audio processing and visualization.

### FlowConnect

Vue, TypeScript, NPM

A highly customizable library for creating node-based editors, graphs, and diagrams.

### Percept

React, TypeScript, NPM

An HTML5 canvas rendering engine.

### Mixbee

React

Simple and effective sound mixing and recording web-app.

### OpenChat

Vue, Firebase, NodeJS

End-to-end encrypted messaging solution for the web.

### HiDE

Angular, TypeScript, NodeJS

A cloud-based platform for project development in teams with real-time collaborative tools.