Saurabh Bhagat

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I am Saurabh, a Frontend Heavy - Fullstack Software 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

🅰 Azure   🔥 Firebase   🪝 Bicep

⚛ React   ⋁ Vue   NodeJS

TS TypeScript   NPM   JS JavaScript

F Figma

Achievements

- **2016**
  CodeVita Contest
  Top 1%

- **2018**
  Rajasthan Hackathon
  Merit

- **2017**
  Texas Instruments IICDC
  Participation

- **2019**
  Smart India Hackathon
  Amadeus IT Group
  Finalist

Work Experience

Frontend Engineer, Tata Consultancy Services with ABN AMRO Bank
June 2019 – Present

Modernization

- Migrated a legacy Angular codebase to Vue with complete functional test suite and over 95% code coverage.

Developer Experience

- Built a common IaC library of generic Bicep modules to help others in infrastructure setup as part of cloud migration.
- Implemented an application monitoring process with automated alerts, incidents and a metrics dashboard.

Automation

- Developed automation tools to assist in mainframe database migration and COBOL documentation.
- Created a functional test suite using TestCafe, significantly reducing manual regression testing effort

Cloud Migration

- Migrated two applications from on-premises to Azure.
- Developed an ETL Data Pipeline using Serverless Function Apps.

UI/UX Development

- Created both simple and complex screen mock-ups and static designs maintaining continuous feedback.

Projects

FlowConnect
TypeScript, Vue, NPM

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

OpenChat
Vue, Firebase, NodeJS

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

Percept
React, TypeScript, Web Canvas, NPM

An HTML5 Canvas rendering engine.

vAP
React, Web Audio

An easy-to-use webapp to create visual programs for audio synthesis, processing, and visualization.

TankMe
TypeScript, Vue, Firebase, Networking, NodeJS

Multiplayer online cross-platform PvP tank battle!

HiDE
Angular, TypeScript, NodeJS, Web RTC

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