

Sachin Devangan

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SUMMARY

Frontend Software Engineer with 4+ years of experience designing, developing, testing, and supporting scalable JavaScript and TypeScript applications in production environments. Strong expertise in React-based frontend architectures, data visualization, and UI performance optimization for operational and industrial systems. Proven track record of delivering reliable, intuitive operator-facing user interfaces for mission-critical workflows where clarity, performance, and correctness directly impact operational safety and decision-making.

WORK EXPERIENCE

Frontend Software Engineer, LPL Financial

Sep 2024 – Present | Jersey City, NJ

- Designed and built scalable React and TypeScript frontend architectures for production operational systems handling high-volume asynchronous events and real-time data updates.
- Reduced decision turnaround time by 30 percent by building clear, operator-facing approval workflows for high-risk actions.
- Delivered intuitive, data-rich user experiences using tables, drill-down views, and D3.js visualizations across complex datasets.
- Improved frontend performance and reliability by 30 percent through profiling, render analysis, and targeted UI optimizations.
- Tested and validated frontend behavior across real-world data conditions to ensure stability under production workloads.
- Ensured production stability by debugging customer-reported UI issues in Linux environments and coordinating with backend teams.
- Prioritized UI reliability and defensive design to prevent incorrect actions, inconsistent states, or misleading visualizations in high-stakes operational workflows.

Software Engineer, Tata Consultancy Services

Apr 2024 – Sep 2024 | Jersey City, NJ

- Designed and developed scalable React-based dashboards for large operational datasets with filtering, aggregation, pagination, and drill-down interactions across multiple workflows.
- Integrated frontend applications with REST APIs and asynchronous workflows, implementing robust loading states and error handling.
- Improved usability and reliability of long-running UI flows, reducing operational friction by over 20 percent.

Software Developer, Cognizant

May 2020 – Aug 2022 | Pune, India

- Built and supported React-based analytics dashboards integrated with backend APIs to deliver accurate, reliable operational insights for business and engineering teams.
- Debugged and resolved production frontend issues across client-side logic and backend responses in Linux-based environments.
- Optimized client-side rendering to maintain UI performance as application scale and data volume increased.

ENGINEERING & LEADERSHIP EXPERIENCE

Graduate Teaching Assistant, Stevens Institute of Technology

May 2023 – May 2024 | Hoboken, NJ

- Mentored 175+ students in web development and system design while building an automated grading platform that reduced evaluation time from over 100 hours to minutes, demonstrating scalable system design and reliability engineering principles.

TECHNICAL SKILLS

Frontend Engineering: JavaScript (ES6+), TypeScript, React, Next.js, HTML5, CSS3, responsive design, component-based architecture

Visualization and Graphics: D3.js, interactive data visualization, drill-down analytics, real-time UI updates, WebGL

Backend and APIs: Node.js, REST API integration, Spring Boot APIs, authentication workflows, asynchronous processing

Data and Platforms: PostgreSQL, Redis, SQL, MongoDB, Linux, Git, Docker, AWS, Vite, npm

Performance and Reliability: UI profiling, render optimization, reliability-focused design, production debugging, event-driven workflows

Practices: Agile development, sprint planning, unit testing, documentation, code reviews

Languages: JavaScript, TypeScript, Python, Java

PROJECTS

Scheduling Platform (SchedEz) | React, Node.js, MongoDB, Docker

- Designed and built a collaborative scheduling platform with React to support real-time notifications and multi-user operational workflows across distributed teams.
- Implemented frontend components to handle asynchronous updates and validated UI behavior under concurrent usage and production-like conditions.

Mental Health Platform (New Leaf) | Node.js, Express, MongoDB, JavaScript, HTML, CSS

- Developed a full-stack platform with a focus on clear, responsive user interfaces for managing sensitive, user-driven workflows.
- Built interactive frontend features using JavaScript to support authentication, dynamic data rendering, and personalized user experiences across core application flows.
- Tested and validated end-to-end application behavior to ensure reliability across varied real-world usage scenarios.

EDUCATION

Stevens Institute of Technology

Master of Science in Computer Science

New Jersey, USA

Sep 2022 – May 2024

Savitribai Phule Pune University

Bachelor of Engineering in Information Technology

Pune, India

Aug 2016 – Apr 2020