

SANCHAY NARENDRA GAWANDE

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SUMMARY

Full-Stack Engineer with **3+ years** of expertise in building scalable, high-performance web applications using **React.js, Next.js, Node.js, TypeScript, Python, AWS, and DevOps**. Specialized in developing **microservices**, optimizing system performance, and ensuring high availability in **cloud-native environments**. Passionate about **UI/UX best practices, API design, database optimizations**, and **DevOps automation**.

SKILLS

- **Frontend:** React.js, Next.js, TypeScript, Redux, JavaScript (ES6+), Vue.js, HTML5, CSS3, Tailwind CSS, Bootstrap
- **Backend:** Node.js (Express.js, Nest.js), Python (Django, Flask, FastAPI), Java (Spring Boot), GraphQL, REST APIs
- **Databases:** PostgreSQL, MySQL, MongoDB, Firebase, Redis
- **Cloud & DevOps:** AWS (EC2, Lambda, S3, API Gateway, DynamoDB, CloudFront), Docker, Kubernetes, Terraform
- **Testing & Security:** Jest, Cypress, Postman, OAuth, JWT, Web Security
- **Development Practices:** Agile, Scrum, Microservices, Observability, Performance Optimization, CI/CD (GitHub Actions)

PROFESSIONAL EXPERIENCE

Software Engineer, Anthem 10/2023 – Present | Remote, USA

- Developed and deployed an **AI-powered chatbot platform (IConcern)** for healthcare professionals using **React.js, Next.js, Flask**, enabling real-time triage for 10,000+ patient interactions and reducing missed follow-ups by 50%.
- Redesigned **IConcern's** microservices architecture using **Node.js, Flask, GraphQL**, reducing API response latency by 30% and improving real-time medical assistance.
- Revamped frontend of the **IConcern** system using **React.js, Next.js, TypeScript**, improving page load speeds by 40% and achieving **WCAG 2.1 Level AA** compliance.
- Enhanced system scalability for **IConcern** by integrating **AWS Lambda, API Gateway, S3**, enabling 2x user load handling and cutting cloud costs by 25%.
- Integrated **Firebase Authentication** to secure the **IConcern** login system, managing 500+ daily logins and reducing unauthorized access attempts by 60%.
- Automated CI/CD pipeline for **IConcern** using **GitHub Actions and Docker**, reducing manual efforts by 80% and shortening release cycles by 40%.
- Implemented observability and logging across **IConcern** using **AWS CloudWatch and custom dashboards**, improving issue detection speed by 60%.
- Conducted accessibility audits and usability tests on **IConcern**, leading to design adjustments that improved provider satisfaction scores by 35%.

Software Engineer, Infosys 06/2021 – 08/2022 | Bengaluru, India

- Built a **customer churn prediction platform** using **React.js, Flask, PostgreSQL**, enabling marketing teams to identify high-risk users and boosting engagement by 25%.
- Implemented **GraphQL APIs** within the churn system to reduce redundancy and database load, decreasing execution time by 50% and improving responsiveness.
- Developed a real-time analytics dashboard for the churn app using **D3.js and React.js**, enhancing visualization and aiding business decisions with 35% more accuracy.
- Migrated backend services of the churn platform to **AWS EC2, S3, CloudFront**, ensuring 99.9% uptime for 100,000+ concurrent users and improving reliability.
- Optimized PostgreSQL queries and indexing in the churn app's data pipeline, reducing average response time by 40% and accelerating model refresh cycles.
- Designed reusable frontend components for the churn dashboard using **React.js**, reducing frontend development time for new features by 30%.
- Led codebase refactoring efforts across the churn application, improving maintainability and reducing bug reports by 20% over two quarters.

EDUCATION

Master of Science - Computer Science

Boston, USA

University of Massachusetts, Boston

Bachelor of Engineering - Computer Science and Engineering

Maharashtra, India

Sant Gadgebaba Amravati University