

SANCHAY NARENDRA GAWANDE

sanchay@work-mail.net | +1(857)-395-5752 | Massachusetts, USA | [LinkedIn](#) | [Github](#) | sanchaygawande.com

SUMMARY

Software Development Engineer with 2+ years of experience building scalable, distributed systems using **Python**, **Java**, and **AWS**. Skilled in object-oriented design, data structures, and problem-solving in agile environments. Proven ability to deliver customer-focused solutions in high-impact applications.

SKILLS

- **Languages:** Python, Java, TypeScript, JavaScript (ES6+), SQL
- **Frameworks:** Node.js (Express, NestJS), Flask, FastAPI, Django, Spring Boot
- **Frontend:** React.js, Next.js, Vue.js, Redux, Tailwind CSS, HTML5, CSS3
- **Cloud & DevOps:** AWS (Lambda, EC2, S3, API Gateway, DynamoDB), Docker, Kubernetes, Terraform, GitHub Actions, Jenkins
- **Databases:** PostgreSQL, MongoDB, MySQL, Firebase, Redis
- **Other Tools:** Git, Postman, GraphQL, Jest, Cypress, Agile, JWT, OAuth, CI/CD, Microservices

PROFESSIONAL EXPERIENCE

Software Engineer, Nestor Technologies 10/2023 – Present | Remote, USA

- Designed and deployed a backend architecture using **Flask** and **GraphQL** for an AI-powered patient support system, processing **10,000+ asynchronous conversations**, which led to a **50% increase in follow-up compliance**.
- Applied **object-oriented principles** to modularize the service logic, reducing backend latency by **30%** across distributed microservices supporting real-time chatbot interactions.
- Developed a **responsive, accessible frontend** using **React** and **TypeScript**, delivering **40% faster load times** and achieving **WCAG 2.1 AA compliance** for clinical accessibility standards.
- Engineered a **serverless solution** with **AWS Lambda**, **API Gateway**, and **S3**, scaling user interactions by 2× while cutting operational costs by **25%**.
- Integrated secure login workflows using **Firebase Auth** and **JWT**, enabling **500+ daily user authentications** and reducing unauthorized access attempts by **60%**.
- Invented and simplified the CI/CD pipeline using **Docker** and **GitHub Actions**, decreasing manual deployment effort by **80%** and ensuring weekly production releases.
- Delivered real-time behavioral insights by architecting an **event-driven system** using **AWS EventBridge** and **Lambda**, allowing clinicians to track user sentiment through chatbot sessions.
- Collaborated across product, design, and healthcare stakeholders to translate clinical goals into scalable system features aligned with Amazon-style **customer obsession**.

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

- Developed a **real-time customer churn prediction platform** for enterprise telecom clients using **Flask**, **React.js**, and **PostgreSQL**, increasing retention campaign effectiveness by **25%**.
- Constructed **GraphQL-based APIs** to orchestrate dynamic datasets across multi-regions, reducing data fetch times by **50%** and increasing scalability.
- Built a **D3.js analytics dashboard** to visualize user behavior patterns, enhancing campaign targeting strategies and boosting ROI by **35%**.
- Deployed and maintained the full-stack infrastructure on **AWS EC2**, **S3**, and **CloudFront**, achieving **99.9% uptime** and scaling to support **100,000+ peak users**.
- Optimized SQL queries and implemented indexing for large-scale customer behavior datasets, cutting model prediction latency by **40%**.
- Drove feature design from scratch by collaborating directly with product teams, analysts, and senior engineers to navigate ambiguity and deliver production-grade systems.
- Led incident resolution efforts during critical outages by leveraging **CloudWatch**, **performance tracing tools**, and cross-team coordination to restore high-availability systems.

EDUCATION

Master of Science - Computer Science

University of Massachusetts, Boston

09/2022 – 05/2024 | Boston, USA

Graduated: May 2024

Bachelor of Engineering - Computer Science and Engineering

Sant Gadgebaba Amravati University

Maharashtra, India