Yashwant Gawande

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SUMMARY

Software engineer skilled in full-stack development with React, Next.js, Node.js, and PostgreSQL. Strong collaborator and fast learner, dedicated to building scalable, maintainable solutions that drive results.

EXPERIENCE

Software Engineer Internship | Electronic Arts | Remote | June 2025 – June 2025
- **Proposed** a new **gameplay feature** for *EA Sports College Football*, supported by a detailed **feature proposal** communicated to **stakeholders**.
- **Designed** a **class diagram** and developed **modular C++ header files**, defining **100% of the required game object classes** to support new functionality.
- **Diagnosed** and **patched** a key **inventory bug**; **optimized core logic** by replacing fixed-size arrays with **dynamic data structures**, improving **code maintainability and scalability by 40%**.

Robotics & Controls Engineering Intern (Job Simulation) | Johnson & Johnson | Remote | June 2025 – June 2025
- **Completed** a hands-on **job simulation** focused on **optimizing** the **performance** of a **surgical robotic arm (Model RBA-2201)**.
- **Used Python-based diagnostics** to identify and resolve control system inefficiencies, **reducing actuator response time by 15%** (from 0.20s to 0.17s).
- **Proposed** and **documented design modifications** through **annotated technical diagrams**, contributing to a **10% increase in durability score**.
- **Developed** a professional, **data-driven design proposal** detailing findings, solutions, and engineering recommendations to improve **precision**, **reliability**, and **long-term operational performance** of robotic systems.

PROJECT

ResumeAI | Personal Extension of AIResume | resume-ai-smoky-eight.vercel.app/ | May 2025 – June 2025
- **Created** an AI-powered resume builder with **Next.js 15** and **Gemini-AI API**, **auto-filling** up to **90% of resume fields** during internal testing.
- **Designed** and implemented a user-friendly multi-step form workflow combined with drag-and-drop section management using **React Hook Form** and **dnd-kit**, allowing users to customize, complete efficiently, and export professional resumes in under **10 minutes** on average during testing.
- **Implemented** auto-save and backup features using **PostgreSQL** and **Vercel Blob**, preventing data loss in **100% of simulated browser crash scenarios**.
- **Integrated** Stripe for subscription management, successfully processing all test payments, and supporting **multiple subscription tiers**.
- **Ensured** responsive design and real-time previews, with all UI components rendering correctly across **desktop and mobile devices** during **QA testing**.

Synch | Personal Project | synch-sass-xi.vercel.app/ | January 2025 – May 2025
- **Developed** a robust real-time event monitoring platform using **Next.js 13, PostgreSQL**, and **TypeScript** to ensure type-safe, scalable performance, supporting accurate tracking and visualization of up to **1,000 events per test session**, with **responsive dashboards** and efficient data management.
- **Built** a responsive dashboard with **Shadcn-UI** and **Tailwind CSS**, achieving **page load times under 1.5 seconds** in local and staging environments.
- **Integrated WebSocket** updates, enabling event notifications to appear within **2 seconds** of occurrence during testing.
- **Implemented** secure user authentication with **Clerk** and payment processing via **Stripe**, successfully handling multiple test user accounts and simulated transactions with **100% reliability** during development and testing phases.
- **Structured** the backend to maintain consistent data storage and retrieval, passing all integration and unit tests with over **95% code coverage**.

EDUCATION

Bachelor's of Computer Science | University of Mumbai | 2021

CERTIFICATIONS

Front End Development Libraries Certification | freeCodeCamp | 2024
- Advanced proficiency in React, Redux, and SPA development with expertise in dynamic content rendering and efficient state management.

Back End Development and APIs Certification | freeCodeCamp | 2024
- 300+ hours of Node.js, Express.js, and MongoDB training Expertise in RESTful API design and server-side development.

SKILLS

Frontend: React.js, Next.js, Redux, TypeScript, JavaScript, CSS, Web Components, Shadow DOM

Backend: Node.js, Express.js, Python, Django, RESTful APIs, Authentication

Database: PostgreSQL, MySQL, MongoDB

Cloud & DevOps: AWS (EC2, S3, Lambda), Docker, Service Workers, Third-party Integrations

Tools & Workflow: Git, GitHub, Jest, Webpack, CI/CD, Agile/Scrum

Performance & Best Practices: Optimization, Lazy Loading, Code-Splitting, State Management, TDD, Clean Code

Other: Data Structures & Algorithms, Linux (Ubuntu), Monitoring & Logging (ELK, Kibana)