

Kirtikumar Balasaheb Kavande

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EDUCATION

- **Government College of Engineering Karad** Karad, Maharashtra
Bachelor of Technology July 2016 - Aug 2020

SKILLS SUMMARY

- **Languages:** JavaScript, TypeScript, Python, C
- **Frontend:** React, Next.js, Redux, Recoil, Thunks, React-Query, HTML, Haml, CoffeeScript, CSS, Tailwind, Bootstrap, Material UI, React-Prime, Chakra, Scss, Microfrontend, Service Worker, PWA, Lightning Web Component (Salesforce), Lift
- **Backend:** Node, Express, Fastify, REST, WebSocket, WebRTC, Redis, RabbitMQ, ODM/ORM (Mongoose, Prisma, Sequelize), Microservices, DDoS, Rate Limiting, Pubsub, Role base access control(RBAC)
- **Databases:** MySQL, Postgres, MongoDB, Firebase
- **DevOps:** AWS EC2, ECS, ECR, IAM, Fargate, Auto Scaling Groups (ASG), Elastic Load Balancer (ELB), VPC, S3, RDS, Cloudfront, CDN, API gateway, Serverless AWS lambda, Git, Docker, , Monorepo Turborepo, CI/CD, Nginx, Vercel, Render
- **Testing:** Jest, Supertest
- **Tools:** GitHub, Postman, React and Redux dev tools, Cloudinary, Figma, Jira, k6 load testing, pm2, Webpack, Vim, Winston, Vite, Accessibility (JAWS, NVDA, Axe), New Relic, Github Copilot
- **Soft Skills:** Teamwork, Adaptability, Communication, Time Management, Problem Solving (DSA)

EXPERIENCE

- **Consultant (Full Stack Developer)** Pune, Maharashtra
Deloitte USI (Full-time) Apr 2025 - Present
 - Led end-to-end development of enterprise-level features, collaborating with cross-functional teams including product managers, UX designers, senior architects, and stakeholders to deliver scalable solutions aligned with business objectives and client requirements.
 - Architected and implemented complex frontend solutions with advanced state management patterns using Redux, Recoil, and React-Query, ensuring optimal performance, maintainability, and adherence to enterprise coding standards.
 - Conducted comprehensive accessibility audits using JAWS, NVDA, and Axe DevTools, resolving critical violations by implementing WCAG compliance measures including ARIA labels, semantic HTML, focus management, live announcements, focus traps, keyboard navigation, and color contrast standards, achieving **95%** accessibility coverage and ensuring inclusive user experiences.
 - Designed and implemented pixel-perfect, responsive UI components from Figma designs ensuring consistent cross-browser compatibility (Chrome, Firefox, Safari, Edge) and cross-device performance (desktop, tablet, mobile).
 - Implemented advanced performance optimization techniques including code splitting, tree shaking, bundle analysis, lazy loading, and memoization, achieving **30%** improvement in Core Web Vitals and Lighthouse scores.
 - Drove adoption of CI/CD pipelines using GitHub Actions and automated testing workflows, reducing deployment time by **20%** and ensuring code quality through automated checks before production releases.
 - Optimized database queries and implemented indexing strategies in MySQL, reducing backend response times by **20%** and improving overall application performance under high concurrent user loads.
 - Integrated Redis caching layer and WebSocket connections for real-time features, reducing database load and improving API response times by **5%** for critical endpoints serving concurrent users.
 - Participated in client presentations and technical discussions, articulating complex technical concepts to non-technical stakeholders, and gathering requirements for feature development.

- **Associate (Full Stack Developer)**

Pune, Maharashtra

Feb 2022 - Mar 2025

- *Cognizant Technology Solutions (Full-Time)*

- Developed and maintained a comprehensive educational platform using JavaScript, React, Redux, Node.js, Express, and MySQL, implementing features for student assessment tracking, task management, and instructor feedback systems.
- Engineered **20+** reusable React components including homework forms, progress trackers, and feedback modules, reducing development time by **15%** and promoting code consistency across the platform.
- Implemented performance optimization techniques including lazy loading, code splitting, React.memo, and efficient asset management, achieving **10%** faster page load times and improved responsiveness with large datasets.
- Developed RESTful APIs using Node.js and Express for real-time homework submissions, grading workflows, and feedback systems, ensuring seamless data synchronization between frontend and backend.
- Implemented comprehensive unit and integration testing using Jest and Supertest, achieving **80%+** code coverage and reducing production bugs by **5%**, ensuring platform stability and reliability.
- Debugged and resolved production issues efficiently using browser developer tools, logging frameworks, and monitoring tools, minimizing downtime and ensuring smooth user experience.
- Implemented pub/sub patterns using Redis for event-driven architecture, enabling decoupled communication between microservices and improving system responsiveness.
- Developed scheduled jobs and cron tasks using Node.js for automated data cleanup, report generation, and batch processing of student assessments.

HONORS AND AWARDS

- Employee of the Year 2024
- Received Applause Award