

NIKHIL KAPADIA

SENIOR SOFTWARE ENGINEER

CONTACT

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EDUCATION

Sheridan College

Computer Systems Technology -
Software Development and Network
Engineering

SKILLS

- Typescript
- React
- PHP
- API Design and Integration
- REST API Development
- Docker
- Git (Version Control)
- CI/CD
- AWS Bedrock
- Machine Learning
- Django
- Next.js
- LangChain
- Retrieval-Augmented Generation
- Redux
- Technical Leadership
- Agile Methodologies
- Queue Management
- PostgreSQL

PROFESSIONAL SUMMARY

Senior Software Engineer with a strong full-stack background in frontend and backend development. Skilled at building scalable, user-centric products, integrating AI-driven features, and optimizing performance to deliver innovative, high-quality solutions.

PROFESSIONAL EXPERIENCE

Senior Software Engineer

BombBomb

December 2024 - Present

- Spearheaded the development of a custom component library built on shadcn/ui, adding proprietary theming, color palettes, and reusable functionality to accelerate feature delivery and maintain consistent design patterns across the application.
- Designed and implemented a new trial signup flow leveraging Auth0, enabling users to select account plans during onboarding. Introduced a feature-flagged A/B test allowing 40% of users to start a credit-card-free 7-day trial, driving higher sign-up conversion compared to the legacy 14-day credit-card trial.
- Engineered account, team, and user management pages with robust role-based access controls, improving administrative efficiency and reducing customer support requests by 15%.
- Integrated AI-powered video enhancements to automatically generate titles and summaries for uploaded videos, and developed a separate feature to create AI-generated campaigns with associated user assignments, driving higher adoption and engagement across the platform.
- Built a highly efficient AI polling handler to process asynchronous AI-generated requests without WebSockets, reducing request latency and ensuring reliable delivery at scale.
- Collaborated cross-functionally with product and design teams to establish technical requirements, feature flags, and rollout strategies, ensuring smooth deployments and measurable impact on key product metrics.

Senior Full-Stack Engineer

Olive

January 2024 - October 2024

- Maintained high coding standards by actively reviewing pull requests and implementing backend best practices in Python
- Enhanced project clarity and efficiency by creating detailed process diagrams and comprehensive feature breakdowns
- Consistently delivered 100+ Story Points monthly, demonstrating exceptional technical velocity
- Built and deployed robust API endpoints using Django REST framework with automated Selenium testing
- Integrated Claude LLM with LangChain to advance NLP capabilities and enhance user interactions
- Designed and implemented a Retrieval-Augmented Generation (RAG) pipeline using AWS OpenSearch and vector embeddings
- Developed a real-time search feature using Beautiful Soup to enhance LLM context-awareness
- Implemented an efficient asynchronous queue management system using Python's asyncio for optimized data ingestion workflows

Senior Frontend Engineer

Olive

June 2022 - January 2024

- Architected and implemented a comprehensive UI system for feature flag management, supporting both development and product teams
- Leveraged Storybook for UI component prototyping and visual testing, ensuring consistent design patterns across the application
- Enhanced UI performance by implementing React memoization strategies on frequently updated components
- Drove 25% improvement in PR review completion through UI/UX standardization and collaborative design reviews
- Developed an intuitive UI permissions system to regulate user access to application features and sensitive data
- Established robust UI testing practices using Jest framework for component and integration testing

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SENIOR FULL-STACK ENGINEER

Frontend Engineer

Optima Holdings

January 2022 - October 2023

- Engineered responsive UI components using TypeScript and React, implementing dynamic adjustments that improved user engagement by 40% through data-driven interaction patterns
- Designed and developed a Chrome extension featuring real-time trading signals, integrating WebSocket connections for live ML-powered market data
- Created custom Next.js/TypeScript components and middleware, enhancing framework functionality and reducing development cycles by 30%
- Optimized application performance through TRPC's caching and request batching, reducing API calls by 60% and improving UI responsiveness
- Improved core web vitals scores by 25% through Next.js SSR optimization and static generation strategies, leading to higher SEO rankings
- Implemented secure payment processing with Stripe Elements UI, handling 10k+ monthly transactions through robust webhook integration and error handling

Developer/Technical Analyst

JAPR Tech

September 2021 - February 2022

- Crafted detailed user stories to streamline and improve development workflows.
- Led team meetings, managed workloads, and assigned tasks to enhance collaboration and efficiency.
- Ensured high code quality and scalability through thorough code reviews.
- Boosted the team's story completion rate by 16% via personal contributions and process enhancements.
- Promoted knowledge sharing and skill development by organizing regular training sessions and workshops.
- Collaborated with stakeholders to gather requirements and offer technical insights for effective project planning.
- Implemented best practices in version control, continuous integration, and deployment to ensure smooth project execution.

React Developer

JAPR Tech

April 2021 - September 2021

- Engineered modular UI components to improve code reusability and maintain consistent user experience
- Resolved complex UI/UX issues using ReactJS and ES2018, resulting in improved application performance
- Implemented comprehensive UI testing suite using Jest to ensure component reliability
- Optimized UI data structures and state management for enhanced component interactions
- Established robust state management patterns using Redux and Context API for consistent UI behavior
- Collaborated with backend teams to design and integrate APIs for seamless UI data flow

Junior Full-Stack Software Developer

Emailgistics Corp.

September 2019 - December 2019

Analytics Engineer

RBC

January 2019 - April 2019

Sanrusha Consultancy

Student System Architect

May 2018 - August 2018
