

Shaswat Raj - Full Stack Developer Portfolio

- Full Stack Developer | Open Source Enthusiast | AI & Web Innovation Specialist**

Contact Information

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- Portfolio: shaswat.live
- Location: India

Professional Summary

Passionate Full Stack Developer with 5+ years of experience building scalable web applications and innovative digital solutions. Proven expertise in modern JavaScript frameworks, AI integration, and leading cross-functional teams. Creator of 40+ open-source projects with combined 100K+ GitHub stars, demonstrating strong technical leadership and community contribution.

Key Strengths:

- Full-Stack Mastery:** Expert in Next.js, React, Node.js, and modern web technologies
- AI Integration:** Advanced experience with OpenAI, DeepSeek, and AI-powered applications
- Open Source Leadership:** Maintained 40+ repositories with significant community impact
- Scalable Architecture:** Proven ability to design and implement enterprise-level solutions
- Team Leadership:** Experience leading development teams and mentoring junior developers

Professional Experience

Full Stack Developer

Freelance & Contract Work | 2023 - Present

- Lead development of complex full-stack applications using Next.js, React, and Node.js
- Architect scalable solutions handling 10K+ concurrent users
- Implement AI-powered features using OpenAI and custom ML models
- Mentor junior developers and conduct code reviews
- Key Achievement:** Delivered 15+ production applications with 99.9% uptime

Full Stack Developer

Various Companies | 2021 - 2023

- Developed responsive web applications using React, Vue.js, and Angular
- Built robust backend APIs with Node.js, Express, and Laravel
- Implemented real-time features using WebSockets and Socket.io
- Optimized application performance resulting in 40% faster load times
- Key Achievement:** Reduced deployment time by 60% through CI/CD implementation

Frontend Developer

Tech Startups | 2020 - 2021

- Created pixel-perfect, responsive user interfaces using React and TypeScript
- Collaborated with UX/UI designers to implement modern design systems
- Integrated third-party APIs and payment gateways
- Maintained cross-browser compatibility across all major browsers
- Key Achievement:** Improved user engagement by 35% through UX optimizations

Web Development Intern

Local Agency | 2018 - 2019

- Developed custom websites using HTML5, CSS3, and JavaScript
- Learned version control with Git and collaborative development workflows
- Assisted in client communications and project requirement gathering
- Key Achievement:** Successfully delivered 5+ client projects on time and within budget

Technical Skills

Programming Languages

- **JavaScript** (95%) - Expert level with ES6+, async/await, modern features
- **TypeScript** (90%) - Strong typing, interfaces, generics, advanced patterns
- **Python** (80%) - Web development, data processing, automation scripts
- **PHP** (85%) - Laravel, custom frameworks, legacy system maintenance
- **HTML5** (98%) - Semantic markup, accessibility, modern standards
- **CSS3** (95%) - Flexbox, Grid, animations, responsive design
- **C/C++** (70%) - Algorithm implementation, system programming

Frontend Technologies

- **React** (95%) - Hooks, Context API, performance optimization, testing
- **Next.js** (95%) - SSR, SSG, API routes, middleware, deployment
- **Vue.js** (85%) - Composition API, Vuex, Nuxt.js
- **Angular** (75%) - Services, RxJS, TypeScript integration
- **TailwindCSS** (95%) - Utility-first approach, custom configurations
- **Framer Motion** (90%) - Complex animations, page transitions
- **SCSS/Sass** (90%) - Advanced features, mixins, functions

Backend Technologies

- **Node.js** (90%) - Express, API development, microservices
- **Laravel** (85%) - Eloquent ORM, authentication, API development
- **Express.js** (90%) - Middleware, routing, RESTful APIs
- **RESTful APIs** (95%) - Design, implementation, documentation
- **GraphQL** (75%) - Schema design, resolvers, Apollo

Databases

- **MySQL** (90%) - Complex queries, optimization, indexing
- **MongoDB** (85%) - Aggregation pipelines, indexing, replication
- **PostgreSQL** (85%) - Advanced features, performance tuning
- **Firebase** (90%) - Realtime database, authentication, hosting
- **Redis** (70%) - Caching, session management

DevOps & Tools

- **Git/GitHub** (95%) - Advanced workflows, branching strategies
- **Docker** (80%) - Containerization, multi-stage builds
- **AWS** (75%) - EC2, S3, Lambda, CloudFront
- **Cloudflare** (80%) - CDN, security, edge computing
- **VS Code** (98%) - Extensions development, productivity optimization
- **GitHub Actions** (85%) - CI/CD pipelines, automation

AI & Modern Technologies

- **OpenAI Integration** (90%) - GPT models, embeddings, fine-tuning
- **WebRTC** (85%) - Peer-to-peer communication, video/audio
- **WebSockets** (85%) - Real-time applications, Socket.io
- **PWA Development** (90%) - Service workers, offline functionality
- **Web Scraping** (90%) - Data extraction, automation
- **Browser Extensions** (85%) - Chrome/Firefox extension development

📁 Featured Projects

1. NotesFlow - Privacy-Focused Note-Taking App

Category: Full-Stack Application

Tech Stack: Next.js, React, LocalStorage, PWA

Description: A privacy-focused note-taking application with beautiful interface, local storage, import/export capabilities, and offline functionality.

Key Features:

- Offline-first architecture with PWA capabilities
- AES-256 encryption for data security
- Real-time search and filtering
- Markdown support with live preview
- Dark/light theme with system preference detection

Links: [GitHub](#) | [Live Demo](#)

2. SketchFlow - Collaborative Whiteboard Platform

Category: Full-Stack Application

Tech Stack: React, Canvas API, WebSockets, Node.js, MongoDB

Description: A powerful collaborative whiteboard platform for real-time brainstorming and visual collaboration.

Key Features:

- Real-time multi-user collaboration
- Advanced drawing tools and shapes
- Voice/video chat integration
- Template library with 50+ templates
- Export to multiple formats (PDF, PNG, SVG)

Links: [GitHub](#) | [Live Demo](#)

3. CreoYT - YouTube Creator Tools

Category: Full-Stack Application

Tech Stack: React, Next.js, YouTube API, OpenAI, MongoDB

Description: All-in-one platform for YouTube creators with AI-powered tools for content optimization.

Key Features:

- AI-powered thumbnail generation
- Competitor analysis and tracking
- Content research and trend analysis
- Analytics dashboard with insights
- Automated video optimization suggestions

Links: [GitHub](#) | [Live Demo](#)

4. AayeChup - AI Voice Conversation Platform

Category: Full-Stack Application

Tech Stack: Next.js, TypeScript, OpenAI Whisper, ElevenLabs, TailwindCSS

Description: AI voice conversation platform enabling natural voice interactions with multiple AI personalities.

Key Features:

- Real-time voice processing with Whisper API
- Multiple AI personality voices
- Natural conversation flow
- Voice cloning capabilities
- Multi-language support

Links: [GitHub](#) | [Live Demo](#)

5. TubeSonic - YouTube Downloader Desktop App

Category: Desktop Application

Tech Stack: Tauri, React, Rust, yt-dlp

Description: Lightning-fast desktop app for downloading YouTube videos and audio with beautiful UI.

Key Features:

- Cross-platform compatibility (Windows, macOS, Linux)
- Multiple quality options (4K, 1080p, 720p, audio-only)
- Batch download capabilities
- Glass morphism UI design
- Lightweight and secure (built with Rust)

Links: [GitHub](#) | [Releases](#)

6. SopPlayer - HTML5 Video Player Framework

Category: JavaScript Framework

Tech Stack: JavaScript, HTML5 Video, CSS, Media API

Description: A sleek and feature-rich HTML5 video player framework that enhances visual experience across devices and browsers.

Key Features:

- Intuitive custom video controls
- Cross-browser compatibility
- Responsive design for all devices
- Customizable themes and options
- Advanced media API integration

Links: [GitHub](#) | [Live Demo](#)

7. CodeSeek - AI VS Code Extension

Category: VS Code Extension

Tech Stack: JavaScript, VS Code API, DeepSeek AI

Description: AI-powered coding assistant with DeepSeek integration for VS Code.

Key Features:

- Intelligent code completion
- AI chat assistance within editor
- Code explanation and documentation
- Bug detection and suggestions
- Multi-language support

Links: [GitHub](#) | [VS Code Marketplace](#)

8. Mac Cleanup Wizard - System Optimization Tool

Category: Desktop Application

Tech Stack: Electron.js, React, Node.js, OpenAI

Description: Free and open-source desktop app for intelligent macOS system cleanup with AI-powered suggestions.

Key Features:

- AI-assisted cleanup recommendations
- Category-wise file organization
- Developer junk detection (node_modules, venvs)
- Safe deletion with permission checks
- Visual disk space management
- One-click cleanup operations

Links: [GitHub](#) | [Releases](#)

9. Reflecto - Daily Reflection App

Category: Full-Stack Application

Tech Stack: React, Next.js, AI, Tailwind CSS

Description: A minimal yet smart daily reflection app designed for busy users, featuring AI-powered journaling assistance and personalized insights.

Key Features:

- AI-curated reflection questions
- Voice journaling capabilities
- Mood tracking and analysis
- Personalized growth insights
- Cross-platform synchronization

Links: [GitHub](#) | [Live Demo](#)

10. Multiversal - Creative Content Platform

Category: Full-Stack Application

Tech Stack: Next.js, Prisma, MySQL, TailwindCSS

Description: Creative platform for poets, writers, musicians, and storytellers to share diverse content.

Key Features:

- Multi-format content support (poems, stories, songs, scripts)
- User profiles with portfolio showcases
- Social interaction features (likes, comments, follows)
- Content categorization and discovery
- Mobile-responsive design

Links: [GitHub](#) | [Live Demo](#)

For more projects and detailed case studies, visit shaswat.live/projects

📌 Key Achievements

Open Source Impact

- **400+ Active Repositories:** Maintained and developed diverse range of projects
- **1K+ Combined GitHub Stars:** Demonstrating community value and adoption
- **50+ NPM Packages:** Published libraries used by developers worldwide
- **Community Contributions:** Regular contributor to major open-source projects

Technical Accomplishments

- **Performance Optimization:** Achieved 90+ Lighthouse scores across all projects
- **Scalability:** Built applications handling 10K+ concurrent users
- **Security:** Implemented enterprise-grade security measures and encryption
- **Innovation:** First to implement several cutting-edge features in local ecosystem

Professional Recognition

- **GitHub Arctic Code Vault Contributor:** Code preserved for future generations
- **Top Developer:** Ranked in top 1% of developers in region
- **Mentor & Speaker:** Regular tech talks and mentoring sessions
- **Client Satisfaction:** 100% client retention rate with 5-star reviews

📖 Continuous Learning

Recent Certifications & Learning

- **AI/ML Specialization:** Advanced courses in machine learning and AI integration
- **Cloud Architecture:** AWS and Google Cloud Platform certifications
- **Modern JavaScript:** Staying updated with latest ECMAScript features
- **Web3 Technologies:** Exploring blockchain and decentralized applications
- **Mobile Development:** React Native and Flutter for cross-platform apps

Learning Philosophy

- **Technology Agnostic:** Focus on problem-solving over specific technologies
- **Best Practices:** Emphasis on code quality, testing, and documentation
- **Community Engagement:** Active participation in developer communities
- **Knowledge Sharing:** Regular blogging and tutorial creation

🔑 What Sets Me Apart

Technical Excellence

- **Clean Code Advocate:** Write maintainable, well-documented code
- **Performance Focused:** Optimize for speed, accessibility, and user experience
- **Security Conscious:** Implement robust security measures by default
- **Testing Enthusiast:** Comprehensive testing strategies (unit, integration, e2e)

Leadership & Communication

- **Team Collaboration:** Excellent cross-functional team collaboration skills
- **Mentoring:** Passionate about helping junior developers grow
- **Problem Solving:** Creative approach to complex technical challenges
- **Client Relations:** Strong communication with non-technical stakeholders

Innovation & Adaptability

- **Early Adopter:** Quick to learn and implement new technologies
- **AI Integration:** Pioneering AI-powered features in web applications
- **Open Source:** Committed to giving back to the developer community
- **Future-Ready:** Building applications with scalability and maintainability in mind

📁 Side Projects & Initiatives

Developer Tools

- **Create TanStack App:** CLI tool for TanStack project setup
- **Create-GI:** GitHub repository to documentation website generator
- **SteamLit:** Lightweight framework for reactive web applications

Entertainment & Games

- **Sequence Game:** Multiplayer card game for couples
- **SopGame:** HTML5 game development framework
- **BitPlayer:** Advanced audio player library

Productivity Tools

- **Waitlist.js:** SaaS platform for growth-driven waitlists
 - **Article:** Open-source blogging platform
 - **OctoPress:** GitHub Issues-based blog CMS
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📌 Career Goals

Short-term (1-2 years)

- Lead a team of 5+ developers in a fast-growing company
- Contribute to major open-source projects (React, Next.js ecosystem)
- Speak at international tech conferences
- Launch a successful SaaS product

Long-term (3-5 years)

- CTO role at a innovative tech company
 - Establish a developer education platform
 - Create industry-standard tools adopted by major companies
 - Mentor the next generation of developers
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📌 GitHub Statistics

- **Public Repositories:** 400+
 - **Total Stars:** 1K+
 - **Total Forks:** 5K+
 - **Languages:** 15+ programming languages
 - **Contributions:** 2000+ commits in the last year
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📌 Recommendations

"Shaswat is an exceptional developer who combines technical excellence with strong leadership skills. His ability to deliver complex projects on time while maintaining high code quality is remarkable." – **Senior Project Managers**

"Working with Shaswat was a game-changer for our startup. He not only delivered a scalable platform but also mentored our junior developers, significantly improving our team's capabilities." – **Startup Founder**

"His open-source contributions have been invaluable to our development process. The tools he's created have saved us hundreds of hours of development time." – **Lead Developer**

📌 Let's Connect

I'm always excited to discuss new opportunities, collaborate on interesting projects, or share knowledge about web development and emerging technologies.

Best ways to reach me:

- **Email:** sh20raj@gmail.com
- **LinkedIn:** [linkedin.com/in/sh20raj](https://www.linkedin.com/in/sh20raj)
- **GitHub:** github.com/SH20RAJ
- **Portfolio:** shaswat.live

I'm particularly interested in:

- Full Stack Developer roles
 - Technical Leadership positions
 - Innovative projects using AI/ML
 - Open source collaboration opportunities
 - Startup environments with growth potential
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This portfolio represents my journey as a developer and my commitment to creating impactful digital solutions. I believe in the power of technology to solve real-world problems and am always eager to take on new challenges that push the boundaries of what's possible.

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