

Piyush Kumar

+91-7827100325 | piyush0808k@gmail.com | linkedin.com/in/piyush-kumar | github.com/Piyushk8

Professional Summary

Full Stack Software Developer with expertise in React, Node.js, and cloud technologies. Experience building scalable web applications, implementing microservices architecture, and contributing to open source projects. Skilled in modern JavaScript frameworks, database management, API development, and DevOps practices.

Technical Skills

Languages: JavaScript, TypeScript, Python, HTML5, CSS3, SQL
Frontend: React.js, Next.js, Redux, Tailwind CSS, Responsive Design
Backend: Node.js, Express.js, REST APIs, GraphQL, Microservices
Database: PostgreSQL, MongoDB, Redis, MySQL, Prisma ORM, Drizzle ORM
Cloud & DevOps: AWS, Docker, CI/CD, GitHub Actions, Container Orchestration
Real-Time: Socket.IO, WebSocket, Redis Pub/Sub, Apache Kafka
Tools: Git, GitHub, Vitest, Unit Testing, Integration Testing

Professional Experience

CSRBOX <i>Frontend Developer - IBM SkillsBuild Program</i> • Developed responsive web applications using React.js, HTML5, CSS3, and JavaScript	Remote Jun 2024 – Aug 2024
Palisadoes Foundation <i>Open Source Software Developer</i> • Delivered merged pull requests to open source codebase, resolving bugs and implementing features • Enhanced application stability through debugging and code refactoring • Collaborated with global developer community for code reviews.	Remote Jun 2024 – Present

Projects

Snaply <i>Next.js, TypeScript, PostgreSQL, Prisma, TanStack Query</i> Live Demo • Developed full-stack social media platform with real-time features and optimistic updates • Designed responsive UI with mobile-first approach and integrated state management • Implemented secure user authentication, database design, and API development	2024
Chatties <i>React, Node.js, PostgreSQL, Redis, Kafka, Socket.IO</i> Live Demo • Engineered scalable real-time chat application using PERN stack with horizontal scaling • Implemented microservices architecture with Redis Pub/Sub and apache kafka • Developed real-time messaging features including online presence and push notifications	2024
CloudIDE <i>Docker, WebSocket, Traefik, AWS S3, Node.js</i> Demo • Developed cloud-based IDE with isolated development environments using Docker containers • Enabled real-time collaboration features through WebSocket implementation • Configured Traefik reverse proxy with dynamic routing for container orchestration.	2024
AI Agent Assistant <i>Next.js, TypeScript, LangChain, IBM Watsonx, SSE</i> GitHub • Architected multi-turn chat agent with SSE for live streaming of LLM responses • Orchestrated LangChain and LangGraph workflows to invoke IBM Watsonx Flows and external APIs • Built Next.js frontend with Zustand state management and backend SSE endpoints	2024

Education

Maharaja Agrasen Institute of Technology <i>Bachelor of Technology in Information Technology</i> CGPA: 8.2/10 Relevant Coursework: Data Structures and Algorithms, Database Management Systems, Software Engineering, Object-Oriented Programming, Operating Systems, Computer Networks	Delhi, India 2022 – 2026
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Achievements

IBM SkillsBuild Frontend Development Certification (2024) | **Open Source Contributions** | **Technical Leadership** in full-stack applications | **Udemy Web Development Certification** (2024)