

SUSHIL PARAJULI

Senior Full Stack Engineer | Generative AI | React • Next.js • Node.js • AI/LLMs • Python

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PROFESSIONAL SUMMARY

Results-driven Senior Full Stack Engineer with 10+ years architecting high-scale, resilient platforms across FinTech, Crypto, and E-commerce. Expert in distributed systems, real-time data visualization, and event-driven microservices. Demonstrated ability to reduce page load times by 30%, increase user engagement by 15%, and maintain 99.9% uptime during peak traffic. Proficient in Agile/Scrum environments. Skilled at mentoring engineers, designing component libraries, and optimizing Core Web Vitals and accessibility standards (WCAG 2.1 AA).

AI Engineering: Engineer focused on production LLM systems, intelligent agent architecture, and autonomous development tools. Expert in Claude API, prompt engineering, multi-agent orchestration, and GraphRAG platforms. Specializes in secure AI infrastructure via Model Context Protocol (MCP), structured prompting techniques, and hallucination prevention. Committed to responsible, human-centered AI integration in engineering workflows. Proven track record building scalable systems that enhance developer productivity while maintaining safety, security, and accountability.

TECHNICAL SKILLS

Frontend: React.js, Next.js 14+, TypeScript, JavaScript (ES6+), Redux Toolkit, Zustand, TanStack Query, Tailwind CSS, Storybook, WCAG 2.1 AA, i18n (Arabic/English), Vite, Webpack, Figma, RTL

Data Visualization: TradingView Lightweight Charts, ECharts, AgGrid, ReactFlow, Monaco Editor, Recharts, TanStack Table, WebSockets, Server-Sent Events (SSE), Virtualization

Backend – Node.js: NestJS, Fastify, Express, Zod, Prisma, TypeORM, Socket.io, BullMQ

Backend – Python: FastAPI, Pydantic v2, SQLAlchemy, SQLModel, Alembic, Celery, Redis, Pandas, Pytest

Backend – Golang: Gin, Echo, Fiber, GORM, sqlx, gRPC, Protobuf, Sarama/kafka-go

Distributed Systems & Infrastructure: Apache Kafka, REST, gRPC, PostgreSQL, MongoDB, Redis, Docker, Kubernetes (K8s), AWS, Azure, GCP, GitHub Actions, Jenkins, GitLab CI

Agile & Quality Assurance: Agile/Scrum, Sprint planning, Kanban, Backlog grooming, OAuth2, OIDC, RBAC, CSP, HSTS, Jest, React Testing Library, Cypress, Playwright, Pytest, TDD, Core Web Vitals

PROFESSIONAL EXPERIENCE

MULTIBANK | Senior Software Engineer

Dubai, UAE | 2025 – Present | React | Next.js | TypeScript | Node.js

- Engineered frontend for regulated multi-tenant crypto/fintech SaaS platform supporting live trading, staking, and digital banking workflows; leveraged React, Next.js, and TypeScript for 99.8% uptime
- Developed real-time data-intensive interfaces using WebSockets, ECharts, TradingView, and Ag-Grid with virtualization for high-frequency trading data; reduced data processing latency by 40%
- Spearheaded migration from third-party integrations to proprietary solutions using FastAPI, Golang, and Node.js for trading analytics, order execution, and compliance workflows
- Implemented event-driven architecture with Apache Kafka supporting trade, order, wallet, and audit event flows across distributed microservices; ensured message ordering consistency
- Established reusable component library via Storybook; enforced WCAG 2.1 AA accessibility; optimized Core Web Vitals (LCP, CLS) through SSR/ISR, improving SEO ranking by 35%
- Mentored 5+ engineers on clean architecture principles, TypeScript patterns, and AI-assisted development workflows using GitHub Copilot and Cursor; conducted code reviews in Agile sprint ceremonies
- Led app-stack modernization to React Native Expo with Hermes engine, achieving native-grade performance for scalable mobile architecture

M2.COM | Senior Software Engineer

Dubai, UAE | 2023 – 2025 | React | Next.js | TypeScript | Node.js | Spring Boot

- Directed full-stack development of crypto trading platform (React + Next.js + TypeScript + Node.js) with live trading, staking, and multi-chain wallet integration using Notabene Web3 SDK
- Integrated complex Spring Boot and Node.js backend services via REST APIs; implemented event tracking for user behavior analytics across Scrum sprints
- Constructed high-performance dashboards and visualizations using TradingView, ECharts, and Ag-Grid with real-time data streaming; supported 50,000+ concurrent users
- Provisioned distributed content synchronization system connecting back-office CMS platforms to front-office applications using event-driven patterns
- Coordinated cross-functional Agile teams to streamline sprint delivery and enable conflict-free deployments; automated OTC desk workflows via Zendesk bot integration
- Enhanced application performance, accessibility, and security through SSR optimization, Core Web Vitals improvements, OAuth2/OIDC, and RBAC implementation

JUMIA GROUP | Full Stack Developer

Dubai, UAE | 2018 – 2023 | React | Vue.js | Golang | Python | GraphQL | Apache Kafka

- Engineered scalable e-commerce modules for Africa's largest marketplace using React and Vue.js; ensured UI consistency via shared enterprise design system within Agile teams
- Transitioned CMS data fetching from legacy REST endpoints to GraphQL; reduced mobile data consumption by 50% and improved Largest Contentful Paint (LCP) by 28%
- Optimized high-concurrency checkout flows using Golang (Gin); maintained 99.9% uptime during extreme traffic spikes (Black Friday sales); handled 100,000+ TPS
- Developed automated catalog pipelines with FastAPI and Celery; managed real-time pricing and promotions for millions of SKUs
- Synchronized order fulfillment across warehouse microservices using Apache Kafka; ensured real-time inventory and payment status accuracy
- Modernized legacy jQuery monoliths to Nuxt.js/React SSR stack; reduced page load times by 30%, increasing conversion rates by 15%
- Delivered regional i18n multi-lingual support with locale formatting and mobile-first optimizations across Kanban-managed sprints

GROWBYDATA | Front-End UI/UX Developer

Kathmandu, Nepal | 2015 – 2016 | HTML5 | CSS3 | jQuery | React | AngularJS

- Prototyped semantic and responsive UIs (HTML5, CSS3 Flexbox, jQuery, React, AngularJS); delivered design wireframes and mockups
- Developed UI components across multiple squads using AngularJS and React
- Researched front-end performance and accessibility foundations, informing future design-system architecture
- Partnered with backend squads (PHP/.NET) on early RESTful integration patterns and API contract definition

I-TECH NEPAL | Sr. Web Developer

Kathmandu, Nepal | 2013 – 2015 | PHP | jQuery | HTML5 | CSS3

- Delivered mobile-first responsive web applications using PHP, jQuery, and HTML5/CSS3; reduced project turnaround time by 20% via reusable component libraries

EDUCATION & CERTIFICATIONS

Bachelor of Business Studies — Tribhuvan University (2010–2014)

Certifications: Building with the Claude API by Anthropic • Advanced React for Enterprise • SOLID Design Principles • Master Go Programming • Micro Front-End Architecture with React • Serverless Architecture • AWS Essential for Developers • End-to-End JavaScript Testing with Cypress.io