

Muhammad Sameer Naveed

Senior Software Engineer

📍 Lahore, Pakistan 🌐 Github 🔗 Portfolio Site

Profile

Full-stack software engineer with 3+ years of experience building scalable web platforms, AI automation systems, and cloud-based infrastructure. Proven ability to ship robust features using React, Next.js, Python, FastAPI, and AWS in fast-paced startup environments.

Work Experience

Senior Software Engineer, Arithmiks [🔗](#)

Lahore, Pakistan

GoAgents.io [🔗](#)

RAG - Campaigns Automation with LLMs & Prompt Engineering

- Developed core features for an AI-powered SaaS platform that automates content marketing and Facebook ad campaigns for digital agencies.
- Built full-stack modules including frontend dashboards (React + Tailwind) and backend microservices (FastAPI + Kafka) with multi-tenant access.
- Engineered automation agents for keyword discovery, SEO content and image generation, and Facebook campaign deployment.
- Implemented secure authentication, role-based access control, and real-time chat infrastructure for concurrent users.
- Integrated third-party APIs for publishing and ad automation; added real-time logging with Elasticsearch displayed in the UI.
- Contributed to infrastructure with Dockerized services, CI/CD pipelines, and scalable AWS architecture.
- Played a key role in scaling the platform from MVP to \$15K+ MRR through robust full-stack development and agent orchestration.

Skills: Python | FastAPI | React | Tailwind CSS | Kafka | SQLAlchemy | Docker | AWS Lambda | AWS Amplify | Facebook Marketing API | WordPress API | SpyFu API | OpenAI API | MySQL | Elasticsearch

LFGO.us [🔗](#)

Cross-Chain Web3 Platform for Token Trading & Marketplace

- Contributed to the development of a multi-chain Web3 platform that allows users to create, launch, and trade custom tokens across Ethereum and Solana.
- Built user-friendly frontend using React and Next.js to guide users through minting, launching, and managing tokens.
- Implemented backend logic in Go (Gin, GORM) for handling transactions, user data, and smart contract versioning.
- Integrated wallet support for both MetaMask (Ethereum) and Phantom (Solana), solving multi-wallet challenges.
- Built real-time marketplace features using WebSockets for instant updates on token activity and price changes.
- Supported features like token dashboards, refund logic, and legacy smart contract compatibility.

Skills: React | Next.js | Redux | Solidity | Go | Gin | GORM | Web3.js | API Development | Blockchain Integrations | WebSockets | MySQL | AWS (Amplify, Lambda, EC2) | CI/CD | Client Communication | Project Planning | Code Review

Easybar

B2B Rebar Marketplace 

- Worked on the early stages of an online tool where customers can design iron bars visually.
- Built a drag-and-drop canvas using React and KonvaJS that lets users sketch and customize bar designs.
- Added features like real-time previews, PDF downloads, and admin reports.
- Helped structure the app for future growth with reusable components and clean architecture.
- Connected frontend with backend APIs and created GitHub Actions for testing and deployment.

Skills: React | Redux | TypeScript | KonvaJS | PdfJS | DND Kit | API Integrations | Custom UI Components | Sass | Git | GitHub Actions | CI/CD | SSH | Nginx | Figma

Metro-360

Metro 360 - Data Ingestion Pipeline

- Built pipelines to process BigQuery + SFTP data using Python and Pandas.
- Developed React UI for internal analytics tools and handled PostgreSQL data exports.
- Collaborated directly with clients to gather requirements and deliver solutions.

Skills: React | Python | Pandas | Numpy | PostgreSQL | Git

SunfoxSolar

- Migrated a React app to Next.js with SSR and optimized image loading.
- Revamped the design to create a more modern and user-friendly interface.
- Developed a custom meeting scheduling component and integrated Calendly's APIs for seamless appointment scheduling.

Skills: React | Next.js | Tailwind CSS | Styled Components | API Integrations | Calendly API | Git

Mybizfinder

- Built a business search platform with Stripe payments and Firebase Auth.
- Integrated geolocation-based search and admin dashboard.

Skills: Next.js | API Integrations | Firebase Auth | Stripe | Git | TailwindCSS | React CSV

Teaching Assistant, FAST-NUCES


Reviewed and graded quizzes, assignments, and projects for the Operating Systems course, supporting student learning and academic evaluation.

02/2022 – 06/2022

Lahore, Pakistan

Education

Bachelors of Science in Computer Science,

National University of Computer and Emerging Sciences (FAST NU) 

2019 – 2023

Lahore, Pakistan

Courses: Web Development | AI | Blockchain | Cloud Computing | Information Security | Information Retrieval

FSC (Pre - Engineering), Punjab Group of Colleges

2017 – 2019

Lahore, Pakistan

Skills

Frontend: React.js | Next.js | Redux | Tailwind CSS | Styled Components | KonvaJS | TypeScript | WebSockets

Backend: Python | FastAPI | Django | Go | Gin | GORM | Node.js

Blockchain: Solidity | EVM | Smart Contract Development

Databases: MySQL | PostgreSQL | SQLAlchemy

DevOps & Cloud: Docker | AWS (EC2, S3, Lambda, Amplify) | GitHub Actions | CI/CD | Nginx | Kafka | Elasticsearch

AI & Automation: OpenAI API | LangChain | SpyFu API | Agency-Swarm | Facebook Marketing API | WordPress API

Tools: Git | GitHub | Figma | Postman | Netlify | Linear | Trello | Notion | SSH