

Hassaan Siraj

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Lahore, Pakistan | Available for Remote Opportunities

PROFESSIONAL SUMMARY

Results-driven Full Stack Developer and Software Engineer with around 3 years of professional experience building scalable, production-grade web applications. Grounded in computer science fundamentals with proven expertise in Python, JavaScript, Ruby on Rails, React, and Node.js, with a strong track record of designing and integrating RESTful APIs, third-party services, and AI-powered workflows. Experienced across healthcare technology, Web3 platforms, and AI-driven automation systems. Adept at end-to-end feature ownership, backend architecture, and cross-functional collaboration in agile environments.

TECHNICAL SKILLS

Languages	Python, JavaScript, TypeScript, Ruby, SQL
Frontend	React, Next.js, AngularJS, HTML5, CSS3, Tailwind CSS
Backend	Ruby on Rails, Sinatra, FastAPI, Node.js, Express.js
Databases	PostgreSQL, MongoDB, MySQL
Cloud & DevOps	Docker, Firebase, CI/CD Pipelines
APIs & Auth	REST, Webhooks, OAuth 2.0, JWT
Other	Microservices, Web Applications, Web3 / Blockchain Integrations, AI/LLM APIs, EHR Systems, Stripe, Calendly

PROFESSIONAL EXPERIENCE

Devsinc

Software Engineer

Lahore, Pakistan

August 2024 – Present

- Integrated health device APIs (Fitbit, Omron, Garmin, Oura, Dexcom, etc.) into a US-based EHR platform, engineering data ingestion pipelines that normalized device-specific schemas into a standardized internal model for consistent storage and downstream consumption.
- Developed and maintained production REST APIs with Python and FastAPI for ingesting patient vitals, activity metrics, and device telemetry, implementing structured error handling, retry strategies, and request validation.
- Implemented idempotent webhook endpoints with HMAC signature validation and OAuth 2.0 token flows, preventing duplicate ingestion and ensuring reliable near-real-time data delivery.
- Supported concurrent integration patterns — polling, async ID-based callbacks, and subscription webhooks — to meet varied device provider requirements and reduce data latency for critical health metrics.
- Extended a Node.js/AngularJS healthcare platform with Calendly scheduling, Stripe Connect payment onboarding, and OAuth-based Google/LinkedIn SSO.
- Collaborated with frontend and product teams on API contract design, third-party service integrations, and production deployment workflows.
- Integrated Web3 wallet connectivity using Reown WebKit on a digital asset platform, implementing multi-wallet authentication, transaction signing, and real-time on-chain status tracking across a React/Python stack.
- Designed Python/FastAPI backend services and async task pipelines for an AI automation platform, integrating LLM APIs to power automated content processing and intelligent workflow execution.
- Owned full-stack feature development across React frontend and Python backend, taking features from technical scoping through production deployment.
- Refactored wallet connection and transaction UI flows in React, improving error state handling and on-chain operation reliability.
- Mentored junior engineers on REST API design patterns, code review standards, and system architecture; participated in technical planning and sprint ceremonies.
- Defined engineering standards for async job processing and third-party service integrations, improving system reliability and codebase maintainability.

Devsinc

Associate Software Engineer

Lahore, Pakistan

August 2023 – July 2024

- Developed features across a US-based healthcare microservices platform that ingested and standardized EHR data from wearable devices (smart rings, watches), serving insurance providers, hospitals, and clinical staff.

- Maintained and upgraded Ruby on Rails and Sinatra microservices, resolving dependency conflicts across service boundaries and coordinating zero-downtime deployments.
- Refactored legacy service interfaces to restore backward compatibility and reduce accumulated technical debt, unblocking feature development on a more stable codebase.
- Worked across a distributed microservices architecture in a HIPAA-compliant healthcare environment, contributing to service maintenance, cross-team API coordination, and production support workflows.

KEY PROJECTS

AI-Driven Workflow Automation Platform

Python, FastAPI, React, LLM APIs

- Engineered FastAPI backend services and RESTful API layers exposing LLM model inference to product workflows, enabling automated content generation and intelligent data processing pipelines.
- Designed async task queues and external service integration patterns to support high-throughput LLM job processing with retry logic and structured error observability.

Web3 Digital Asset Platform

React, Python, Reown WebKit, Blockchain

- Built end-to-end Web3 wallet integration with Reown WebKit, covering multi-wallet authentication, EIP-712 transaction signing, and real-time on-chain status polling between React and a Python backend.
- Improved wallet connection UX and on-chain transaction feedback loops, adding proper error boundaries and loading state management for async blockchain operations.

Healthcare EHR Data Ingestion Platform

Python, FastAPI, Ruby on Rails, Webhooks

- Built a multi-source ingestion platform consuming REST and webhook APIs from Fitbit, Omron, Garmin, and other device providers, normalizing payloads into a standardized EHR schema consumed by insurance and clinical systems.
- Implemented idempotent webhook processors with deduplication logic, OAuth 2.0 refresh token flows, and per-provider rate-limit handling to ensure data consistency and uptime in production.

Healthcare Professional Social Network

Node.js, AngularJS, Stripe Connect, OAuth

- Developed Node.js backend APIs integrating Stripe Connect for provider payment onboarding, Calendly webhooks for appointment scheduling, and OAuth 2.0-based Google/LinkedIn SSO on a professional network platform for healthcare providers.

EDUCATION

University of the Punjab

Bachelor of Science in Software Engineering

Lahore, Pakistan

Graduated 2023

TOOLS & TECHNOLOGIES

Version Control	Git, GitHub, GitLab
Containers	Docker
Cloud Platforms	AWS (EC2, S3, Lambda), Google Cloud Platform, Firebase
Caching	Redis, Sidekiq
Testing	RSpec, PyTest, Jest
API Tools	Postman, Swagger / OpenAPI
Project Mgmt	Jira, Notion, Agile / Scrum

ADDITIONAL INFORMATION

- Open to remote full-stack engineering roles across product, healthcare, fintech, and AI/ML domains.
- Passionate about building practical AI-powered features that deliver measurable product value beyond isolated experiments.
- Continuous learner with active interest in distributed systems, developer tooling, and emerging Web3 and AI technologies.
- Strong problem solving skills with a methodical approach to debugging, system design, and technical decision-making.
- Solid organizational skills with experience managing multiple workstreams, sprint commitments, and cross-team deliverables simultaneously.