Muhammad Hamza Hanif Toor

Software Engineer

✉ mhamzahaniftoor@gmail.com   in linkedin.com/in/mhamzahaniftoor

github.com/mhamzahaniftoor   📞 +923074348651

SUMMARY

A dedicated and results-driven software engineer with 3+ years of experience, committed to delivering high-quality applications while continuously expanding technical expertise. Proactive in problem-solving, leveraging teamwork, and maximizing available resources to ensure efficient project execution. Well-versed in the software development lifecycle (SDLC), including analysis, design, development, testing, deployment, and documentation. Strong foundation in object-oriented programming (OOP) and software design, ensuring optimized and maintainable solutions. Passionate about coding, with a deep sense of responsibility and attention to detail, always striving to exceed expectations and deliver exceptional user experiences.

SKILLS

Ruby On Rails	ReactJs	PostgreSQL	Python (FastAPI)
REST APIs	GraphQL	RSpec	Sidekiq
Redis	JavaScript	Slim/Haml	Tailwind
Heroku	MySQL	LangChain	LangGraph
RAG	Git, GitHub	Jira	Slack
Gen AI	Vector DBs	Prompt Engineering	LLM

EXPERIENCE

Senior Software Engineer

Techcreatix   Aug 2023 – present

- Responsible for end-to-end solution design by engaging with customers, developing APIs using Rails framework with rigorous unit testing, and handling database modelling and application implementation.
- Developed secure applications by implementing CRUD operations, authentication, and authorization mechanisms.
- Integrated third-party APIs and services, including Facebook, unofficial WhatsApp, and OpenAI.
- Leveraged OpenAI's models to implement AI-driven features, including custom training based on specific tags.
- Integrated Stripe Payment Gateway for secure payments and subscription handling.
- Developed and managed Webhook integrations for real-time event handling and seamless data flow.
- Gained intermediate-level experience in React.js development, improving front-end interactivity.

Software Engineer

CyberNest
                                                                Jan2023 – July 2023

- Front-End Technologies: Experienced in HTML, CSS, JavaScript, and ReactJS, ensuring seamless UI integration and effective collaboration with designers.
- Relational Databases: Proficient in PostgreSQL and MySQL for efficient data management and storage.
- Background Job Processing: Implemented background job processing using Sidekiq and Delayed Job to enhance application performance.
- Digital Signature API Integration: Successfully integrated digital signature APIs (Wacom) for secure and reliable signature functionality.
- Classy API Implementation: Integrated Classy API to retrieve transaction data based on filters like transaction ID, donor details, or campaign/event association for streamlined data access.

Software Developer

Blackstacks
                                                                Dec 2021 – Dec 2022

- Ruby on Rails Development: Built and maintained features across the full Rails stack, including authentication (Devise), email integration (SendGrid), and MVC architecture.
- Front-End and UI Integration: Developed web pages using HTML, CSS, JavaScript, and frameworks like Bootstrap, MUI, React.js, and Redux for dynamic and responsive interfaces.
- Testing and Quality Assurance: Utilized RSpec to ensure robust code quality and feature functionality.
- API and Background Job Processing: Integrated APIs and implemented background job processing using Sidekiq and Delayed Job for enhanced performance and real-time data flow.

EDUCATION

BS Software Engineering

University of Punjab
                                                                Nov 2017 – July 2021

CERTIFICATIONS

- **LangChain Chat with Your Data!** (DeepLearning.AI, 2025)

- **The Complete Ruby on Rails Developer Course** (Udemy)

- **Crash Course on Python** (Coursera, 2020)

PROJECTS

Nanokard

A fintech project that leverages blockchain technology to revolutionize payment processing by offering unparalleled security, reliability, and transaction speed.

Te**ch Stack:** Blockchain, Ruby on Rails, PostgreSQL, React.js, Stripe

Gueswi Chatwoot

Contributed to the development of a Chatwoot clone, an open-source, self-hosted customer engagement suite. Helped businesses seamlessly manage customer data, communicate across multiple channels, and re-engage customers.

Tech Stack: Ruby on Rails, React.js, PostgreSQL, Stripe, Webhooks

Cyrons

A donation platform designed to streamline and enhance the giving process, making it easier and more secure for donors to contribute to various causes.

Tech Stack: Ruby on Rails, PostgreSQL

Kwayga

A B2B food supply chain platform revolutionizing European supermarket sourcing by providing cutting-edge technology for rapid supplier discovery, validation, and connection.

Tech Stack: Ruby on Rails, React.js, PostgreSQL, Sidekiq, REST APIs

Cyrons