



Muhammad Hamza Hanif Toor

Software Engineer

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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 The Complete Crash Course on Python (Coursera, 2020) **Chat with Ruby on Rails** (Udemy) **Your Data! Developer Course** (DeepLearning.AI, 2025)

PROJECTS

Nanokard

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

Tech 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

