

Sohail Karim
Abdalian Society Block C House No.31, 54000
Johar Town, Lahore, Pakistan

E-mail: sohailkarim66@gmail.com

Mobile: +92 30 865 24336

SUMMARY

Senior Software Engineer with seven years of extensive experience in Ruby on Rails development, leading teams to create robust software solutions, developing REST API's, optimizing databases, designing microservices, and utilizing AWS for deployment while adhering to Agile methodologies.

PROFESSIONAL EXPERIENCE

Wicked Martians, Lahore, Pakistan - Remote

Nov 2023 – Present

Position: Senior Ruby on Rails Engineer, Team Lead

- Spearheading development efforts as a Senior Engineer on an innovative product tailored for the digital marketing sector, enhancing user engagement and marketing effectiveness.
- Leading a dynamic team of 3 developers, fostering a collaborative environment to drive project success and ensure timely delivery of features.
- Utilizing Ruby on Rails and Elixir for building robust backend systems, ensuring scalability and maintainability in line with best practices.
- Crafting responsive user interfaces using HTML, CSS, and Tailwind CSS, enhancing user experience and accessibility across various devices.
- Managing PostgreSQL and MySQL databases to ensure efficient data storage, retrieval, and integrity, implementing optimized queries for improved performance.
- Designing and implementing a microservice architecture to support independent deployment and scaling of services, enhancing system resilience and flexibility.
- Developing event-driven architectures utilizing AWS SQS, facilitating real-time data processing and asynchronous communication between services.
- Leveraging AWS cloud services for deploying applications, ensuring high availability and scalability while managing infrastructure costs.
- Designing, developing, and integrating APIs using REST principles, including crafting and documenting API endpoints, as well as third-party API integration (Google, Facebook).
- Conducting rigorous testing using RSpec and unit tests to ensure code quality and functionality, employing Postman for thorough API testing to validate endpoints and response behaviors.
- Following Scrum/Agile methodologies to streamline project management, utilizing Trello and Shortcut for effective task and workload management, maintaining comprehensive documentation using Notion, GitHub for code repository and facilitating open communication among team members via Skype.

Southville Solutions, Lahore, Pakistan – On Site**May 2022 – Oct 2023****Position:** Senior Full Stack Developer

- Developed web applications using Ruby on Rails for the backend and React.js for the frontend, ensuring a seamless user experience across devices with JavaScript, HTML, CSS, and jQuery.
- Managed databases, including PostgreSQL, MySQL, and MongoDB, optimizing data integrity and query performance for high-traffic applications.
- Designed microservices and event-driven architectures using AWS SQS, facilitating scalable application development while maintaining high availability and integrity through proactive maintenance.
- Analyzed existing software implementations to identify and implement improvements, ensuring adherence to coding standards by reviewing code and debugging issues.
- Developed automated unit test cases, increasing software reliability through rigorous validation, and collaborated with engineers to optimize software and hardware interfaces.
- Coordinated large-scale software deployments, implementing automated build and deployment pipelines using Docker, Kubernetes, and OpenShift for streamlined release processes.
- Developed back-end solutions to support websites, working closely with back-end developers to design and document APIs, ensuring effective integration and communication.
- Managed project milestones from initial concept through final delivery, testing and deploying scalable software products that aligned with business goals.

ERITHEIA LABS, Lahore, Pakistan – On Site**Jun 2019 – Apr 2022****Position:** Full Stack Developer

- Engaged with customers to discuss project progress, collect feedback at various stages, and address concerns directly.
- Developed applications using Ruby on Rails and React.js, ensuring efficient front-end and back-end integration.
- Managed PostgreSQL and MySQL databases, building optimized database structures for web applications.
- Designed microservices and event-driven architectures with RabbitMQ, Redis, and AWS SQS for scalable data processing.
- Utilized AWS cloud services for deploying applications, ensuring high availability and performance.
- Conducted web scraping and parsing projects, developing scalable applications for data extraction and analysis.
- Managed development milestones from initial steps to final delivery, rapidly prototyping new data processing capabilities to confirm integration feasibility.
- Performed data modeling, integration testing, and performance testing to ensure application reliability.
- Tested and deployed scalable software products, leveraging Docker and Kubernetes for containerization and orchestration.

- Contributed ideas in team meetings and provided updates on deadlines, designs, and enhancements.

TECHVERX PVT.LTD, Lahore, Pakistan – On Site

Feb 2018 – May 2019

Position: Associate Software Engineer

- Revised and modularized legacy codebases to meet modern development standards, enhancing functionality and reducing operating costs.
- Developed applications using Ruby on Rails, React Native, HTML, CSS, JavaScript, and jQuery for both desktop and mobile platforms.
- Collaborated with project managers to establish realistic coding milestones during pre-release software project development, ensuring timely delivery.
- Engaged in all stages of the systems development lifecycle, from requirements gathering to production releases, ensuring alignment with client needs.
- Pioneered innovative code review methods to include diverse perspectives, fostering a collaborative team environment.
- Coordinated with project management on database development timelines to align with overall project schedules.
- Facilitated issue resolution by discussing challenges with team members and applying best practices.
- Authored code fixes and enhancements for future releases and patches, ensuring software reliability and performance.
- Conducted data modeling, performance testing, and integration testing to validate system functionality.

Lahore University of Management Sciences, Lahore, Punjab

Dec 2017 – Feb 2018

Position: Frontend Developer - Internship

- Developed and implemented an e-commerce website using HTML, CSS, JavaScript, and jQuery, focusing on responsive design and user experience.
- Collaborated with team members to gather requirements, ensuring alignment with project goals and user needs.

The Gaminators Group, Lahore, Punjab

Sep 2017 – Dec 2017

Position: Unity 3d Developer - Internship

- Developed interactive game features using C# and .NET within the Unity 3D environment, enhancing gameplay and user engagement.
- Assisted in designing and implementing game mechanics, collaborating with designers to translate concepts into playable experiences.

EDUCATION

Bachelor's degree in Computer Science
Comsats University

2017

F.Sc Pre-Engineering: Science
Superior Group of Colleges Multan

2012

REFERENCES: Available on request