Zia Ur Rehman

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Professional Summary

Full-Stack Developer with 3+ years of experience building scalable web applications using Ruby on Rails, React, and modern cloud architectures. Expertise in RESTful API design, MVC architecture, relational database optimization (PostgreSQL, MySQL), and Agile workflows. Proven track record in refactoring legacy systems, performance tuning, and implementing serverless solutions (AWS Lambda). Enhanced system efficiency by 33% through query optimization and metaprogramming, while driving team productivity by 70% via CI/CD pipelines and automated workflows.

Work Experience

Full Stack Software Engineer   **Texas – Remote**
Intellirent   Jan 2023 – Dec 2024

- **Legacy Code Refactoring:** Modernized legacy Ruby on Rails systems, eliminating bottlenecks and boosting performance by 33% using **metaprogramming and DRY principles**.
- **Serverless Architecture:** Designed **event-driven AWS Lambda** functions with S3 versioning, reducing server costs by 27% and improving scalability.
- **API Development:** Integrated **RESTful APIs (Experian, Stripe)** to automate rental applicant evaluations, streamlining workflows by 30%.
- **Database Optimization:** Redesigned relational schemas with **ActiveRecord,** resolving memory inconsistencies by 23% and ensuring ACID compliance.
- **Performance Tuning:** Refined query structures within an MVC architecture, resulting in a 33% enhancement in system performance.
- **System Optimization & Reliability**: Boosted performance by 15% via **font caching** and selective loading, improved memory efficiency by 77% through **direct PDF embedding**, reduced debugging time by 50% using **advanced logging**, and ensured data integrity with **custom file-validation alerts**, cutting support tickets by 37%.

Software Engineer   **Singapore - Remote**
Biomark   June 2022 – Jan 2023

- **Meta-programming:** Reduced codebase size by 12% using Ruby on Rails hash-based metaprogramming, achieving O(1) complexity.
- **HL7 Integration:** Engineered HIPAA-compliant healthcare data pipelines using **HL7 APIs,** cutting manual workload by 47%.
- **Agile Collaboration:** Streamlined client onboarding by automating workflows, boosting team productivity by 70%, and improving developer efficiency by 30%.

Saas LTV Growth   **Wilmington - Remote**
Junior Software Engineer   June 2021 – June 2022

- **GraphQL Migration:** Replaced REST with **Shopify GraphQL API,** reducing server load by 36% and enhancing data retrieval efficiency.
- **Redis Optimization:** Implemented **batch processing** for background jobs, eliminating N+1 queries and improving resource utilization by 43%.
- **Product Customization**: Implemented dynamic product customization features, increasing customer engagement by 37% and driving merchant revenue growth.
- **Performance Tuning:**: Reduced Large Contentful Paint (LCP) by 72% via Redis caching and optimized query structures in **MVC architecture**.

Projects

Intellirent (Real-Estate | Rental-Marketing)   myintellirent.com

- A platform that allows rental marketing agents to display property listings and streamlines applicant submissions with automated screening features.

Biomark (HealthCare)   biomarking.com

- A platform that connects patients, doctors, and labs to facilitate secure, real-time updates and data sharing between parties.

Saas LTV Growth (E-Commerce)   product-customizer

- An app enabling merchants to offer customizable product options (engraving, color swatches, image uploads) with enhanced visuals and premium charges, increasing revenue and personalization.

Skills

Languages: Ruby, Python, JavaScript, SQL, HTML/CSS

Frameworks & Libraries: Ruby on Rails, React, Django, Flutter

Databases: PostgreSQL, MySQL, Redis, Firebase (NoSQL)

APIs: RESTful, GraphQL, Stripe, Shopify, HL7

Cloud/DevOps: AWS (Lambda, S3), Docker, CI/CD, Jenkins, Heroku

Tools: Git/GitHub, Postman, RSpec (testing), Jira, Agile/Scrum

Education

Namal College - An Associate College of University of Bradford, UK   **Pakistan**
Bachelor of Science - BS, Computer Science   Graduated