# Zia Ur Rehman

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## Professional Summary

Full Stack Engineer with 4+ years of experience building secure, high-performance web applications across real estate, healthcare, and e-commerce domains. Skilled in both modern and legacy systems with a strong focus on performance optimization, database tuning, and API-driven development. Improved system speed by 33% and team efficiency by 70% through query tuning and workflow automation. Committed to clean code, scalable architecture, and remote collaboration.

## Work Experience

**Full-Stack Engineer**                                                    **California – Remote**
Ecolink – Communication Platform for insurance agencies                   Dec 2024 – Present

- Built real-time communication workflows for insurance agencies by integrating **Action Cable**, **WebSockets**, and **Turbo Streams**, enabling live call routing, chat, SMS, and compliance logging.
- Developed scalable **Rails**-based architecture supporting integrations with **RingCentral** and **AMS360**.
- Delivered responsive and reactive UX without custom JavaScript by leveraging the **Hotwire stack (Turbo Frames + Turbo Streams)**, improving accessibility across all screens and driving 50% higher customer engagement.
- Delivered features in cross-functional Agile teams, collaborating across design, product, and QA to meet sprint goals.
- Integrated Slack bot to generate bi-weekly user reports in PDF and CSV formats, reducing the manual effort of compiling active user statistics by 80%.

**Full-Stack Engineer**                                                    **Texas – Remote**
Intellirent - Real estate and rental marketing and applicant screening    Jan 2023 – Dec 2024

- Refactored legacy **Rails** architecture using advanced metaprogramming and DRY principles, delivering a **33% performance gain** and lowering server costs.
- Automated applicant screening with **REST API integrations (Stripe, Experian)**, reducing manual work by 30%.
- Restructured relational schemas with **ActiveRecord**, resolving memory issues (**23% improvement**) while ensuring **ACID compliance**.
- Accelerated debugging by 50% using structured logging and real-time monitoring tools such as Papertrail and Airbrake.
- Wrote unit tests using **RSpec** for critical modules, improving test coverage and reducing production bugs in legacy refactored components.

**Software Engineer**                                                      **Singapore – Remote**
Biomark – Healthcare platform for secure patient-doctor-lab connectivity   June 2022 – Jan 2023

- Reduced codebase size by **12%** using hash-based metaprogramming in Ruby on Rails, achieving **O(1)** time complexity in key workflows.
- Developed HIPAA-compliant pipelines using **HL7 APIs**, enabling secure healthcare data exchange and reducing manual processing by **47%**.
- Automated onboarding workflows and designed modular healthcare microservices, boosting team productivity by **70%** and developer efficiency by **30%**.

**Software Engineer**                                                      **Wilmington – Remote**
Saas LTV Growth – E-commerce app for revenue optimization                  June 2021 – June 2022

- Migrated REST endpoints to **Shopify GraphQL API** and implemented CI/CD pipelines via GitHub Actions, reducing server load by **36%** and accelerating release cycles.
- Optimized background job queues with **Redis batch processing**, eliminating **N+1 query issues** and improving resource use by **43%**.
- Implemented product customization features (engraving, swatches, image uploads), increasing customer engagement by **37%** and boosting merchant revenue.
- Reduced **LCP (Largest Contentful Paint)** by **72%** via Redis caching and backend query optimization in MVC architecture.

## Projects

**Inteveo (Communication Platform)**                    ecolink.inteveo.com
- EcoLink is a cloud communications platform integrating RingCentral with agency management systems like AMS360, enabling seamless call routing, SMS, voicemails, and compliance for insurance agencies.

**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

**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, n8n, Databutton

## Education

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