Mitul Mistry

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PROFESSIONAL SUMMARY

Full-Stack Developer with 2+ years of experience building scalable web applications, specializing in Ruby on Rails and modern JavaScript frameworks. Proficient in RESTful API development, PostgreSQL, and cloud-native architecture. Proven track record of optimizing database performance by 30%+, implementing efficient background job processing with Sidekiq/Redis, and collaborating cross-functionally in Agile environments. Passionate about backend engineering, system reliability, and contributing to blockchain infrastructure.

TECHNICAL EXPERTISE

Ruby on Rails | JavaScript/TypeScript | PostgreSQL | RSpec | AWS | Kubernetes | Agile (Jira)

- **Backend Development:** Ruby on Rails, PostgreSQL, REST/GraphQL APIs, RSpec, ActiveRecord
- **Frontend Development:** React.js, TypeScript, JavaScript (ES6+), HTML5, CSS/SASS, Tailwind CSS
- **Languages:** Ruby, TypeScript, JavaScript (ES6+), SQL
- **DevOps & Cloud:** AWS (EC2, S3), Kubernetes, GitHub Actions, CI/CD
- **Tools:** Sidekiq/Redis, Jest, Agile (Jira), Figma
- **Concepts:** MVC Architecture, Relational Databases, API Design, Performance Optimization

WORK EXPERIENCE

Zignuts Technolabs Private Limited, Gandhinagar   **Jan 2022 - Jun 2023**
Jr. Web Developer

- Architected and maintained Ruby on Rails applications following RESTful principles, implementing complex business logic using ActiveRecord for efficient database interactions with PostgreSQL.
- Developed and maintained backend APIs using Ruby on Rails that processed 500+ requests per minute, optimizing database queries for 30% performance improvement.
- Implemented background job processing with Sidekiq and Redis for handling asynchronous tasks, reducing application response time by 40% for resource-intensive operations.
- Created comprehensive test suites using RSpec for models, controllers, and services, maintaining 85%+ code coverage to ensure application reliability.
- Integrated React/Next.js frontends with Rails backend APIs, creating seamless data flow between client and server for 10+ enterprise applications.
- Established CI/CD pipelines using GitHub Actions, AWS services (EC2, S3) and Kubernetes for containerized deployments, ensuring continuous delivery and system reliability.
- Participated in Agile development processes using Jira, delivering features in 2-week sprints while maintaining code quality through regular code reviews and pair programming.

BinTech Services (IQLYTIKA), Ahmedabad   **Jun 2021 - Dec 2021**
Software Developer Intern

- Built RESTful APIs using Ruby on Rails and GraphQL, implementing proper authentication and authorization mechanisms while following MVC architecture patterns.
- Optimized database performance by refactoring SQL queries and implementing database indexing strategies, reducing query execution time by 25%.

- Contributed to backend services using Rails ActiveRecord to manage complex data relationships and implement business logic across multiple microservices.
- Developed JavaScript (React.js) components for frontend applications that communicated with Rails backend services, ensuring efficient data transfer and state management.
- Implemented automated testing with RSpec for Rails models and controllers, maintaining high test coverage for critical application components.
- Collaborated on containerized application deployments using Kubernetes for orchestration and AWS for infrastructure, improving system scalability and reliability.
- Resolved complex bugs in production environments, implementing robust error handling and monitoring to enhance application stability.

PROJECTS

F1 Data Visualization   Next.js | TypeScript | Recharts
- Developed a data-driven dashboard using Next.js and TypeScript, implementing dynamic charts with Recharts to visualize driver performance metrics (points, fastest laps) for 20+ F1 races.
- Designed PostgreSQL database schemas for efficient storage and retrieval of race statistics, optimizing queries for dashboard visualization skills directly transferable to Rails development.
- Implemented RESTful API endpoints following MVC patterns similar to Rails conventions, facilitating seamless data exchange between frontend and backend components.
- Optimized rendering performance by 25% through lazy loading and efficient data-fetching strategies, achieving Lighthouse scores above 90 for accessibility and SEO.
- Applied test-driven development practices, creating comprehensive unit and integration tests similar to RSpec approach in Rails applications.

Healthcare Platform (MedJournal)   Next.js | ShadCN UI | Firebase
- Led end-to-end development of a healthcare SaaS platform serving patients and medical staff with a secure wiki-like knowledge base.
- Architected a proxy server-integrated backend to securely fetch/display patient data, following RESTful principles that align with Rails API conventions.
- Designed normalized Firestore database schemas for storing complex medical data relationships, implementing efficient query patterns similar to ActiveRecord best practices.
- Implemented background processing for resource-intensive operations like report generation, following patterns comparable to Sidekiq jobs in Rails applications.
- Optimized database queries and implemented caching strategies, improving page load speeds by 20% for resource-heavy medical profiles.
- Applied robust error handling and logging practices essential for maintaining high availability systems, skills directly applicable to Rails application development.

EDUCATION

Conestoga College, Waterloo   *PG Certificate, Web Development*
Gujrat Technological University, Ahmedabad   *Bachelor of Engineering, Computer Engineering*