

# ZAMIR MANIHAR

## Senior Full-Stack Software Engineer

Email: [zamirmanihar@gmail.com](mailto:zamirmanihar@gmail.com)

Github: [github.com/dev-zamir](https://github.com/dev-zamir)

Contact No. [+917047576025](tel:+917047576025)

LinkedIn: [linkedin.com/in/zamirmanihar](https://linkedin.com/in/zamirmanihar)

Portfolio: [heyzamir.in](https://heyzamir.in)

---

## PROFESSIONAL SUMMARY

Senior Backend Engineer with 6+ years of experience building and scaling high-traffic SaaS, marketplace, and ESG platforms (Brokerkit, Stadium Goods, Scope5). Design and optimize RESTful APIs and scalable backend systems using Python (FastAPI) and Ruby on Rails. Delivered 40–50% performance improvements while leading backend architecture, CI/CD automation, and AWS infrastructure in remote-first teams.

---

## TECHNICAL SKILLS

**Languages & Frameworks:** Python, FastAPI, Pydantic, SQLAlchemy, Ruby, Ruby on Rails, React.js, JavaScript, jQuery, Bootstrap, Tailwind CSS

**Databases & Caching:** PostgreSQL, MySQL, DynamoDB, Redis, Elasticsearch

**APIs & Integrations:** RESTful API design & development, JWT Authentication, OAuth2, API rate limiting, Microservices architecture, Webhooks, Stripe, Relitix, Gmail/Google Calendar API, Posthog, Bugsnag

**DevOps & Cloud:** AWS (EC2, S3, Lambda), GCP, Docker, Kubernetes, Heroku, CI/CD (GitLab CI/CD, GitHub Actions), Background task processing

**Testing & QA:** Pytest, RSpec, Minitest, Jest, Test-Driven Development (TDD), User Acceptance Testing (UAT)

**Practices & Methodologies:** Agile/Scrum, Microservices, System Design, Performance Optimization, Async programming, Code Reviews, Mentoring

---

## PROFESSIONAL EXPERIENCE

### **Sr. Software Engineer | SR Next | Remote | Jul 2021 – Present**

- Led end-to-end backend development of scalable services using Python (FastAPI) and Ruby on Rails, designing RESTful APIs and modular service architectures.
- Designed and implemented lightweight Python-based microservices for internal automation and API integrations.
- Optimizing database queries with proper index and implementing Redis-based caching strategies, reducing page load times by ~40% for key user journeys.
- Championing TDD with RSpec, increasing test coverage from ~65% to ~90% and reducing production incidents.
- Engineering and maintaining CI/CD pipelines using Docker and AWS, enabling automated deployments and improving delivery speed.
- Collaborating directly with client stakeholders in an Agile environment to translate complex business requirements into scalable technical solutions.

### **Software Engineer | Gems Essence | Jul 2019 – May 2021**

- Developed and shipped features for production Ruby on Rails applications serving thousands of active users.
  - Wrote and maintained unit and integration tests to improve software reliability and user experience.
  - Troubleshoot and resolved software defects, improving application stability and performance.
  - Actively participated in Agile ceremonies and contributed to continuous improvement of development processes.
- 

## PROJECT EXPERIENCE

### **Brokerkit – Real Estate Recruitment & Onboarding SaaS**

A SaaS platform that helps real estate brokerages streamline agent recruitment, onboarding, and retention through automation and analytics.

#### **Key Contributions:**

- Built core lead management workflows for tracking candidate agents through customizable recruitment pipelines.
- Developed a multi-channel campaign engine for SMS and Email outreach, integrating Twilio and Gmail/Google Calendar APIs for scheduling and communication.

- Created interactive React.js dashboards to visualize recruitment KPIs and pipeline performance for data-driven decision-making.
- Integrated the Relitix analytics API to enrich lead data with market insights directly within the platform.

**Tech Stack:** Python, FastAPI, Ruby on Rails, React.js, PostgreSQL, Redis, Sidekiq, Twilio API, Google APIs, Relitix API

**Impact:** Improved recruiter efficiency by automating manual workflows and delivering actionable insights that helped brokerages scale their recruitment.

### **Stadium Goods – Global E-Commerce Marketplace (Sneakers & Streetwear)**

A high-volume, multi-sided marketplace (acquired by Farfetch) for authentic sneakers and apparel, requiring robust search, inventory, and transaction systems.

#### **Key Contributions:**

- Enhanced Elasticsearch-powered product discovery with advanced filtering, sorting, and faceted navigation for thousands of SKUs.
- Built backend logic and admin interfaces for the “Source by Stadium Goods” consignment system, enabling professional sellers to manage inventory at scale.
- Developed a resilient shopping cart and promotion engine supporting complex promotional rules (percentage discounts, BOGO, etc.).
- Created internal tools for inventory and order management to ensure data consistency across catalog and fulfillment workflows.

**Tech Stack:** Ruby on Rails, PostgreSQL, Elasticsearch, Redis, Sidekiq, AWS S3

**Impact:** Helped the platform scale globally, support a mobile-first shopping experience, and unlock new revenue streams through consignment.

---

### **Scope5 / Scope10 – Sustainability & ESG Data Management Platform**

A data-driven SaaS solution enabling enterprises to measure, track, and reduce their environmental footprint through comprehensive ESG reporting.

#### **Key Contributions:**

- Designed and implemented ESG data ingestion pipelines to aggregate and normalize large data sets from spreadsheets, utility APIs, and other sources.
- Developed core carbon accounting logic for calculating emissions (Scopes 1, 2, and 3) and other ESG metrics aligned with global standards.

- Built dynamic React.js dashboards to visualize sustainability KPIs, emission trends, and progress towards reduction targets.
- Utilized Sidekiq for asynchronous processing of computationally heavy tasks, improving frontend responsiveness and user experience.

**Tech Stack:** Ruby on Rails, PostgreSQL, Sidekiq, RESTful APIs, Posthog

**Impact:** Enabled clients to automate sustainability reporting, reduce manual data entry, and make informed decisions to meet environmental goals.

---

## EDUCATION

**Bachelor of Engineering** (Computer Science Engineering)

SD Bansal College of Engineering | Indore, India | 2015 – 2019