

# Rouben Ghambaryan

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Full-Stack Engineer focused on internal tools, data systems, and real-time applications

## Skills

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**Languages:** JavaScript, TypeScript, Python, PHP, SQL

**Frontend:** React, Next.js, Vue.js, Tailwind CSS, Framer Motion, Vite, Electron

**Backend:** Node.js, Express, FastAPI, REST APIs

**Systems & Infrastructure:** Linux, AWS (EC2, Route 53), Docker, Kubernetes, SSH

**Databases:** PostgreSQL, MariaDB, MongoDB, Redis, SQLite

**APIs & Integrations:** OpenAI API, Google Gemini API, Airtable API, Dropbox API

**Tooling:** CI/CD pipelines, Git, Docker deployments, reverse proxy routing

**Automation:** Selenium, data pipelines, PDF parsing, browser automation

## Experience

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### Senior Software Engineer

2023 to Present

*Inverselogic, Los Angeles, CA*

- Own and operate production infrastructure and application systems supporting 200+ public-facing websites and services.
- Develop and maintain full-stack applications using PHP, JavaScript, and database-backed architectures.
- Design and implement internal tools and workflows that reduce manual operations and improve system reliability.
- Diagnose and resolve complex production issues across APIs, databases, containers, and distributed systems.
- Architect and maintain integrations with third-party services and APIs for data processing and automation.
- Act as the primary engineer responsible for infrastructure, deployments, and system stability across all environments.
- Manage DNS infrastructure and SSL certificate lifecycle across large client domain portfolios.
- Deploy and maintain containerized services using Docker across multiple environments.
- Perform root-cause analysis and incident response for production outages and performance issues.
- Interface directly with clients to troubleshoot, scope, and implement technical solutions.

### Founder & Lead Engineer

2024 to Present

*RLA Studios, Los Angeles, CA*

- Build and operate a full-stack AI-powered platform that converts unstructured emails, PDFs, and images into structured support tickets with task decomposition.
- Designed a multi-stage ingestion pipeline handling multimodal inputs (text, PDF, images, docs) with type-aware parsing and preprocessing.
- Integrated Google Gemini for structured task generation, priority classification, and context-aware ticket enrichment.
- Implemented real-time AI interaction using Server-Sent Events (SSE) for streaming responses and interactive task refinement.
- Built a multi-workspace architecture with strict data isolation and workspace-scoped services.
- Developed a hybrid persistence layer using SQLite (sql.js) for relational knowledge systems and JSON-based storage for operational simplicity.
- Created an internal knowledge base with version control, chunked search, and automatic AI context injection for improved response accuracy.
- Designed domain-driven service architecture with 50+ REST API endpoints.
- Automated full ticket lifecycle including task tracking, billing summaries, and reporting workflows.
- Deploy and operate the system on a self-managed VPS using Docker with zero external infrastructure dependencies.

## Projects

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*All projects are deployed and operated on self-managed infrastructure with full ownership of backend, frontend, data pipelines, and production systems.*

### **BetWatcher** • betwatcher.io

2026

- Built a real-time web platform for tracking and managing sports bets across multiple sportsbooks.
- Designed systems to convert unstructured betting tickets into structured data models.
- Implemented live data synchronization using polling and event-driven updates.
- Handled inconsistent external data formats and cross-sport edge cases.
- Optimized performance for high-frequency updates and real-time state management.

*Tech:* React, TypeScript, Express, SQLite, SSE, Node-cron, external APIs, Docker

### **AI Ticketing System** • tickets.rouben.dev

- Built an AI-powered platform that transforms unstructured support emails and attachments into structured tickets with prioritized task breakdowns :contentReference[oaicite:0]index=0.
- Implemented a multimodal ingestion pipeline supporting PDFs, images, and documents with type-specific parsing.
- Integrated Google Gemini to extract tasks, assign priorities, and generate structured outputs from ambiguous inputs.
- Developed real-time AI chat refinement using Server-Sent Events (SSE) for interactive task editing before persistence.
- Designed a multi-workspace system with isolated data environments and per-tenant service architecture.
- Built an internal knowledge base with versioning, chunked search, and automatic injection into AI prompts.
- Implemented streaming technical guidance AI that generates step-by-step solutions based on ticket context.
- Created a full ticket lifecycle system with nested tasks, state transitions, and automated billing/report generation.
- Designed hybrid storage architecture using SQLite (WASM) and JSON-based persistence.

*Tech:* React, TypeScript, Express, Google Gemini API, SQLite (sql.js), SSE, Docker

### **Real Estate Data Automation Platform** • rlastudios.com

- Built a full-stack business operations platform replacing manual workflows across lead generation, CRM, invoicing, and commission tracking.
- Implemented high-throughput scraping pipelines using multi-strategy extraction techniques.
- Designed normalization and enrichment workflows to transform raw listing data into structured CRM-ready records.
- Streamed real-time scraping progress via WebSockets for interactive job feedback.
- Automated invoice lifecycle including PDF generation, Dropbox upload, Airtable sync, and commission tracking.
- Built and managed a CRM system handling 1,900+ leads with outreach and follow-up workflows.
- Implemented reliability safeguards including retry logic, rate limiting, caching, and deduplication.
- Deployed and operated the system on a self-managed VPS using Docker and reverse proxy routing.

*Tech:* Node.js, Express, FastAPI, PostgreSQL, Docker, WebSockets, Selenium, Airtable API, Dropbox API

## Education

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### **App Academy**

*Full Stack Software Engineering*

San Francisco, CA

### **University of Nevada, Las Vegas**

*Bachelor of Arts, Psychology*

Las Vegas, NV

### **College of Southern Nevada**

*Associate of Arts, Psychology*

Las Vegas, NV