

Ilana Rosen Senior Software Engineer

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PROFILE SUMMARY

- Senior Software Engineer with 7 years in B2B fintech and healthcare billing, writing payments and accounts payable software, now on the Bill Pay team at Ramp, the corporate card and spend management platform.
- Codes in Python with Django and SQLAlchemy and in TypeScript with React, keeps data in PostgreSQL with a Redis cache, runs Temporal workflows behind REST endpoints on AWS, and tests with pytest and Playwright.
- Spends most days on money movement: idempotent payment APIs, double-entry ledgers and retry-safe workflows, with a design doc for every payments change and feature flag rollouts that start with small customers.
- Works with product managers, designers, and the accounting and risk teams, joins weekly customer calls with the finance teams who use Bill Pay, and shares the payments on-call rotation one week in eight.
- Mentors 3 engineers in weekly one-on-ones, interviews backend candidates, and owns the payments incident checklist that on-call follows when a vendor payout gets stuck.

TECHNICAL SKILLS

Programming Languages:	Python, TypeScript, SQL, Go (basics), Bash
Frameworks:	Django, Flask, SQLAlchemy, Celery, Pydantic, React
Databases & Caching:	PostgreSQL, Redis, Snowflake, Elasticsearch, Alembic migrations
APIs & Messaging:	REST, OpenAPI, webhooks, OAuth 2.0, Temporal, Amazon SQS
Cloud & DevOps:	AWS (ECS, RDS, S3, KMS), Docker, Kubernetes, Terraform, GitHub Actions
Testing Frameworks:	pytest, factory_boy, Hypothesis, Playwright, VCR.py
Tools & Observability:	Git, Linux, Datadog, Sentry, PagerDuty, GitHub Copilot

EDUCATION

Binghamton University, SUNY	B.S. in Computer Science	Binghamton, NY · Aug 2015 to May 2019
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WORK EXPERIENCE

Ramp	Senior Software Engineer	New York, NY · Mar 2022 to Present
• Built multi-step invoice approval chains for Bill Pay in Python and React with product and design, rolled them out by customer size, and cut median approval time from 4.1 days to 1.6. • Designed the move of NetSuite and QuickBooks Online sync onto Temporal workflows with a task queue per customer, cutting failed month-end accounting syncs from 6.2% to 0.8%. • Built the bills and vendors endpoints for the public Ramp API with OAuth scopes, cursor pagination and idempotency keys, which 1,140 customers now call from their ERP and AP tools. • Partitioned the card transactions table in PostgreSQL by month and added covering indexes for the expense filters with no downtime, cutting p95 transactions page load from 2.4 s to 380 ms. • Started a weekly design review for the Bill Pay engineers and coached newer teammates through their first design docs, and 4 of them have since led launches of their own.		
Cedar	Software Engineer II	New York, NY · Jul 2019 to Feb 2022
• Broke the patient statement code in the Django monolith into typed service classes checked by mypy, cutting time to onboard a new health system's statement format from 16 days to 5. • Rebuilt the pytest suite for patient payment plans with factory fixtures and parallel runs in CI, cutting the pre-merge test run from 34 minutes to 9. • Put retries with backoff, timeouts and Datadog alerts around the card processor calls in patient checkout, raising successful payments during the month-end statement peak from 97.1% to 99.6%.		