

# Asher Schectman

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## SUMMARY

Results-driven Software Engineer with 5 years of experience in developing scalable applications and optimizing system performance. Proficient in python, java, frontend, cloud technologies and infrastructure (especially infra as code) with a strong focus on creating innovative solutions that enhance user experiences. Seeking to leverage technical expertise and leadership skills in a challenging new role.

## EXPERIENCE

**Amazon** - Software Engineer, Physical Stores Advertising , August 2022 - Present

- Optimized the database schema and querying framework, achieving over a 70% increase in response speed across numerous API endpoints.
- Designed and built a custom internal pagination framework utilized by multiple developers across several teams, simplifying pagination and query operations
- Built the first Amazon-wide Hibernate 6 integration, now utilized by many Amazon teams including the Amazon RDS team.
- Developed a user portal for digital sign management, streamlining onboarding for store networks and enabling effective management of stores and in-store locations.
- Introduced dynamic web content advertising support for in-store devices, expanding client onboarding capabilities to partners such as Whole Foods Market.
- Designed a DynamoDB querying interface allowing for retrieving cross table data with ~40% reduced latency.
- Initiated and implemented a tracking system for screens based on nearby items, facilitating more targeted advertising.
- Developed a user-friendly UI for zoned screen management, enabling dynamic content layouts across multiple zones on a single screen.
- Created a device health tracking system using event-driven Lambdas, providing store managers with connectivity and content metrics.

**Vimeo** - Software Engineer, OTT Platform, May 2021 - August 2022

- Served as team lead on hundreds of tickets, taking charge of the entire development cycle including design implementation and testing.
- Managed infrastructure for the entire Vimeo OTT platform using terraform to represent infrastructure as code.
- Planned, developed and implemented a live maintenance mode feature improving database downtime by over 90% through the use of read only database followers.
- Expanded the application's OAuth handling by patching Doorkeeper's library to decrypt and validate additional grant types.
- Leveraged CDN for robust caching and edge authentication improving speed and performance by over 30% and preventing attackers from reaching the application.
- Designed and executed remote logout capabilities for customers on web and mobile applications giving customers total control over account usage.
- Implemented API v2 endpoints and features for internal and external use, including v2 searching and v2 error handling for a faster and easier-to-use API.
- Improved database schema and associations for collections table improving lookup time by 30% and simplifying queries.
- Developed an API integration between Vimeo's core and OTT products allowing users to authenticate and transfer content between Vimeo and OTT.
- Designed and built a load-testing application used to make up to 50,000 requests per second, ensuring the application's reliability and determining its ability to scale.

**Modivcare** - Software Engineer, Dec 2019 - May 2021

- Created a sandbox environment that fully mocked the platform end-to-end, enabling prospective clients to book thousands of test rides.
- Integrated webhooks events to and from ride scheduling APIs to handle location tracking, ride scheduling, and billing.
- Optimized data storage and lookup using Elasticsearch indexing and querying, improving speed and efficiency by over 20%.
- Developed a daily rider sync microservice that integrated a Python Fabric library with an EC2 instance and S3 storage, uploading hundreds of thousands of riders from multiple clients.
- Leveraged Twilio's API and Django's translation service to handle IVR and SMS messages for riders and organizations.
- Outlined created and maintained error handling through creation of an Alert workflow and Django-Slack integration.
- Incorporated DynamoDB with geolocation webhooks, enabling users to track live locations in mobile and web applications.
- Served as the Backend Goalie, monitoring and resolving errors and performance issues to ensure a seamless user experience.