

Alexander Rodion Michaud

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PROFESSIONAL EXPERIENCE

Underdog (April 2025 – Present)

As a **Senior Software Engineer**, I own the **Ruby-on-Rails API** that serves markets in our app's most visible pages with low latency and high configurability. I champion a backend-driven architecture with scaffolded API contracts, maintaining clients as thin presentation layers, which obviates frontend deployments for new data requirements.

- Architected the backend for refreshed Player Pages, Underdog's highest revenue-driving app page. Authored the RFC and defined API contracts for content sections, prioritizing iterative delivery. Responsible for increasing conversion from "player page opened" to "selection made" by >4%.
- Spearheaded the adaptation to prediction markets-centric lobbies by implementing "Six Box" core market displays for matches. Prioritized extensibility, which later allowed us to leverage the same component for a "Two Box" moneyline-only display with minimal lift.
- Optimized internal operations by developing admin tools for more efficient leaderboard management, lobby configuration, and market grading, saving the operations team an estimated 2.5 hours of labor per week.
- Standardized API experimentation by refactoring backend code into a central registry, significantly reducing boilerplate and improving maintainability for all new registered experiments.
- Delivered product features with implications for legal compliance, including a public markets API endpoint for third-party consumers, as well as an updated scoring engine for MMA fantasy points.
- Served on week-long on-call rotations during high-traffic holiday weekends. Authored technical playbooks for incident response and entry slip settlement based on experience during shifts.

Capital One (April 2024 – April 2025)

As a **Senior Software Engineer**, I implemented **Python**-based compliance checks into the pre- and post-provisioning stages of infrastructure deployment pipelines, to ensure 19M+ AWS cloud resources comply with critical **cybersecurity** standards.

- Reduced deployment of >70K+ non-compliant resources per month by integrating checks into deployment of AWS CloudWatch, ECS, Step Functions, Neptune, and Cassandra resources.
- Mentored 3 junior associates in eliminating the exposure of sensitive resource data in compliance evaluation payloads, as well as management of pipelines that provision multiple resources simultaneously.

Drizly, an Uber Company (March 2021 – March 2024)

As a **Full-Stack Developer**, I owned **Ruby-on-Rails** endpoints within Drizly's core backend **API** pertaining to consumer accounts, product data, and checkout. I also delivered features for Drizly's consumer-facing **Typescript/React/NextJS** site and the **Kotlin/Java** mobile application for **Android**.

- Upgraded web app from Rails 5.2 to Rails 7 as part of a company-wide initiative to bring security standards in compliance with mandates by the FTC.
- Scoped and engineered sensitive changes to Drizly's payments API required to fulfill a class action lawsuit settlement, applying credits to 260K+ beneficiaries' carts at checkout.
- Increased monthly sign-ups by 1.4% by enabling Facebook login for Drizly accounts.
- Drove 3% increase in gifting carts with a "gifting quiz" page that allowed users to filter Drizly's product catalog based on recipients' drink preferences, implemented as a React + Redux SPA.

ProdPerfect (February 2019 - February 2021)

As **Director of Delivery Engineering**, I oversaw 4 managers within the Delivery Engineering Department and reported directly to the CEO, promoted after a year as a **Delivery Engineering Manager**, where I directly managed a team of 4 **QA developers** servicing 12 customers with data-informed **E2E regression testing**.

Wayfair (May 2018 – February 2019)

As a **BackEnd Engineer**, I maintained the **PHP/SQL Server** codebase for retrieving and updating 1.7B+ rows of customer notification subscriptions data. Delivered features such as topic-level subscriptions and "soft opt-in" state.

CERTIFICATIONS

Hashicorp, Terraform Associate (June 2024)
AWS, Solutions Architect Associate (May 2024)

EDUCATION

Startup Institute, Web Development Fellow (April 2018)
Yale University, Bachelor of Arts in English (May 2017)