

Alexander Rodion Michaud

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EXECUTIVE SUMMARY

Senior software engineer with 6+ years of experience delivering results as an IC, a manager, and a business leader. Has a proven record of quickly learning and taking ownership in new technical domains, including web development, mobile engineering, software testing, and cloud infrastructure architecture and security.

PROFESSIONAL EXPERIENCE

Capital One (April 2024 – Present)

As a **Senior Software Engineer**, I code **Python** scripts that leverage Cloud Custodian – an **open source** rule enforcement engine – to ensure 19M+ **AWS** cloud resources comply with critical **cybersecurity** standards.

- Reduced deployment of over 70K+ non-compliant resources per month by integrating compliance checks at the pre-provisioning stage for CloudWatch log groups, ECS clusters, Step Functions state machines, Neptune databases, and Cassandra clusters.
- Collaborated with owners of 12 different deployment pipelines to eliminate exposure of sensitive data in payloads sent to the compliance evaluation API.
- Contributed 14 open source enhancements to Cloud Custodian and Moto – a library for mocking Boto3 API calls in integration tests – in order to unlock control development for previously unsupported cloud services.
- Mentored 3 junior associates in the development of compliance controls that evaluate multiple resource types provisioned simultaneously.
- Earned certifications as an AWS Solutions Architect and a Hashicorp Terraform Associate in order to establish deep expertise with Capital One's primary cloud service provider and preferred IAC solution, respectively.

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

As a **Full-Stack Developer**, I owned **Ruby-on-Rails** endpoints within Drizly's core back-end **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**.

- Led upgrade 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 11% 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.
- Built landing page to announce Uber's acquisition of Drizly, viewed by 1.5M+ Uber notifications subscribers in the first month after launch.
- Learned Kotlin and Java on the job to support the Android team in achieving feature parity with browser and iOS versions of the Drizly experience. Implemented pages entirely configurable via a content management UI, enabling the marketing team to instantly publish themed/seasonal product and brand collections to the app.

ProdPerfect (February 2019 - February 2021)

As **Director of Delivery Engineering**, I oversaw the 25-person 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**.

- Delivered 100k in ARR of newly invoiced customers per month on average as Director.
- Reduced COGS by 27% by shifting responsibility for test development to low-cost offshore contractors and spinning off the delivery engineering team into a platform engineering team.

Wayfair (May 2018 – February 2019)

As a **Back-End Engineer**, I owned the **PHP/SQL Server** back-end for retrieving and updating 1.7B+ rows of customer notification subscriptions data.

- Simplified codebase by 85% through the elimination of redundant and obfuscated code. Redesigned data model to deliver features desired by stakeholders, such as topic-level granularity 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)