

# Moyang He

SOFTWARE ENGINEER · BACKEND · FULL STACK

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## Work Experience

### Databricks

Seattle, WA

UI INFRA AND OBSERVABILITY, WORKSPACE EXPERIENCE

Dec. 2022 - Now

- Designed and implemented a company-wide declarative real-time Prometheus metrics reporting system in Scala, utilizing protobuf for integration with internal API frameworks. The system significantly simplified metric emissions for product teams, enabling effortless real-time observability, and has been widely adopted across Databricks.
- Developed and enhanced frontend logging infrastructure to improve reliability, maintainability, and debugging efficiency across multiple product areas.
- Collaborated closely with PM and UX teams to renovate the Databricks homepage and workspace using GraphQL. Led the implementation and migration of multiple product features, substantially improving page performance, usability, and user experience.

### Google

Seattle, WA

GOOGLE CLOUD PLATFORM, MARKETPLACE - PRODUCER

Dec. 2020 - Nov 2022

- Worked as a full-stack engineer on the Google Cloud Platform Marketplace Producer Portal, a critical platform supporting over 300% year-over-year revenue growth from third-party solutions. Built intuitive frontend experiences using Angular, GraphQL, and RESTful APIs.
- Developed robust Java backend services and seamlessly integrated them with upstream and downstream systems, enabling reliable and scalable Marketplace operations that directly contributed to significant revenue expansion.
- Contributed to major system and database migrations by creating scalable, testable tools that safely transitioned data models and business logic, ensuring minimal overhead, data integrity, and uninterrupted business operation.

### Facebook

Seattle, WA

DEVELOPER PLATFORM, ADS API PLATFORM

Mar. 2018 - Nov. 2020

- Designed and implemented high-scale API auditing and verification infrastructure (100M+ requests per second) and customized API rate-limiting framework, with end-to-end impact including real-time dashboards for leadership review and tooling for engineers to investigate compliance and data integrity. Widely adopted across multiple teams to unblock critical third-party developers.
- Developed new features and significantly improved frontend and backend systems for core products including "Login with Facebook" and high-revenue React-based applications such as Facebook Ads Manager. Applied modern frontend best practices with React Hooks, GraphQL, Relay, and TypeScript/Flow.
- Built a fully automated CI/CD pipeline for Facebook Ads SDK, substantially accelerating release cycles and reducing manual overhead. Maintained and enhanced Facebook Pages API (PHP/Hack), supporting millions of third-party business apps for social media brand marketing and engagement.

### Internships (Amazon, Facebook)

Tempe, Arizona and Seattle, WA

ADS API PLATFORM, FEED & REPORT PLATFORM

2016 and 2017

- Developed internal tooling in Facebook Ads API Platform team with React, PHP(Hack) and GraphQL.
- Enhanced and extended features on Amazon Feed & Report Platform using AngularJS(Angular 1) and Java

## Open Source Contribution

### Facebook Business SDK(company-managed project) - [link](#)

- Maintained official Facebook Ads SDK across five programming languages; reviewed and merged external PRs as repository owner. Provided direct support to the Facebook developer community, addressed technical issues, fixed bugs, and enhanced developer productivity.

### U.S Immigration Case Progress Tracker(personal project) - [link](#)

- Built a platform visualizing daily immigration case progress and processing timelines, reaching 3K+ monthly active users with 100+ stars/forks on GitHub. Developed a high-performance Golang-based crawler fetching over 1M daily cases from government APIs. Highlighted in discussions between Washington senators and immigration advocacy groups, positively impacting the immigrant community by increasing transparency and awareness of processing delays.

## Skills

**Programming Language** Scala, Java, PHP/Hack, TypeScript/Javascript, Python, Protobuf, HTML/CSS, SQL/NoSQL, GraphQL, Go

**Frameworks & Software** React, Angular, Node.js, MongoDB, PostgreSQL, Guice, Spring, Git, Mercurial, L<sup>A</sup>T<sub>E</sub>X

## Academic Degrees

2017 **M.S. in Computer Science**, Northeastern University

Seattle, WA

2015 **B.S. in Applied Mathematics**, Xiamen University

Xiamen, China