

Moyang He

SOFTWARE ENGINEER · BACKEND · FULL STACK

☎ 206-390-0024 | ✉ iam Moyang@gmail.com | 📱 vicdus | 💻 hemoyang | 📍 Seattle, WA

Industrial Experience

Google

Seattle, WA

SOFTWARE ENGINEER, GOOGLE CLOUD PLATFORM(GCP) MARKETPLACE - PRODUCER

Dec. 2020 - Now

- Develop Java backend services for Producer Portal to allow 3rd party developers to list their solutions in GCP Marketplace. Create RESTful API, implement asynchronous flow using Message Queue and build UI with Angular.
- Contribute system and database migration, build scalable and testable tools to safely migrate resources and logic to redesigned data model and system, avoid unexpected functionality or data change.

Meta Platforms(Facebook)

Seattle, WA

SOFTWARE ENGINEER, DEVELOPER PLATFORM

Mar. 2018 - Nov. 2020

- Design and implement Facebook API auditing/verification infrastructure and dashboard for compliance and commitment tracking, run on 100M+ RPS for live product verification, generate real time report in dashboard for legal and leadership review.
- Redesign and define customized Facebook API rate limit system for data integrity, privacy and anti-scraping. Adopted by multiple downstream teams, services and products to unblock significant 3rd party developers with special requirements for API call quota.
- Responsible for "Login with Facebook" feature frontend and backend to enable 3rd party apps to use Facebook Login. Create a framework that enables multiple product teams to build specific Facebook Login experiences.
- Contribute to multiple full stack React web apps in Facebook, including Facebook Ads Manager which generate the majority of company revenue. Apply best practice of modern web app using React Hooks, GraphQL, Relay and Typescript/Flow.
- Develop a CI/CD pipeline system to automatically generate Facebook Ads SDK code, push to GitHub and release in package management systems. Greatly expedite Facebook SDK release cycle, minimize manual work and improve develop and release process.
- Maintain Facebook Pages API with PHP/Hack backend, used by millions of 3rd party business apps to leverage Facebook platform for social media brand monitoring and marketing.

Meta Platforms(Facebook)

Seattle, WA

SOFTWARE ENGINEER INTERN, ADS API GROWTH

May. 2017 - Aug. 2017

- Create internal tools using React, PHP/Hack and GraphQL to create and render communication templates for external developers.

Amazon

Tempe, AZ

SOFTWARE ENGINEER INTERN, FEED & REPORT PLATFORM

Sep. 2016 - Dec. 2016

- Improve and add features to Feed & Report Platform using AngularJS(Angular1), refactor and migrate legacy JavaScript code.
- Implement RESTful APIs backed by Elasticsearch on DynamoDB(NoSQL), add monitoring and logging, deployed in AWS EC2.

Open Source Contribution

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

- Support Facebook Platform developers community, maintain official Facebook Ads SDK of five languages, review and merge PR in Github repository as repo owner, answer external developer questions, address issues and fix bugs.

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

- Create a website to visualize daily immigration processing timeframe and progress for immigrants with similar petition time. Build a high performance golang-based web crawler to fetch 1m+ case status everyday from government API, visualize using Recharts library with Typescript/React and deploy in Github Pages.
- Achieve more than 3k+ MAU, 100+ stars/forks and referenced in a meeting between Washington Senator and immigration community representatives regarding immigration backlog and delays.

Skills

Programming Language Java, PHP/Hack, TypeScript/Javascript, HTML, Python, SQL/NoSQL, GraphQL, Go, Shell, \LaTeX

Frameworks & Software React, Angular, Node.js, HTML/CSS, MongoDB, PostgreSQL, Guice, Spring, Git/Mercurial

Academic Degrees

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

Seattle, WA

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

Xiamen, China