

# Hao Liu

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## EXPERIENCE

**Full Stack Software Engineer – RBT, Capital One Financial Co.** Wilmington, DE, 07/22 – Present

Worked on multiple projects in **Retail Bank Tech (RBT)**, built and owned multiple applications from End to End in **Automated Clearing House (ACH)**. Worked on AWS cloud environment and related services.

*(Amazon Web Service, Java 1.8, Golang, Maven, Jenkins CI/CD, GitHub, Spring Boot, S3, Lambda, ECS, Docker, Step Function, SQS, SNS, Aurora, KMS, DynamoDB, Kafka, Agile Methodology)*

**Full Stack Software Engineer – AWM, JPMorgan Chase & Co.** Wilmington, DE, 02/21 – 07/22

Worked on new feature projects, enhancement tasks and maintenance jobs from End to End in **Asset & Wealth Management (AWM)**. Worked on all involved applications, API Gateway web service, external web services and data providers, authentication and/or SSO, and develop front end, backend and database implementations.

*(Pivotal Cloud Foundry, Java 1.8, React JS, Maven, Jenkins CI/CD, Git/Bitbucket, Spring Boot, Restful Web service, Oracle, Spark, Avro, OAuth 2.0, Docker, Kubernetes)*

**Full Stack Software Engineer – CCB, JPMorgan Chase & Co.** Wilmington, DE, 10/17 – 02/21

Designed and built web application in **Consumer & Community Banking (CCB)**, implemented with latest technologies both frontend and backend, deployed to Pivotal Cloud Foundry based private cloud, supports Chase business user from all over the world and etc.

*(Pivotal Cloud Foundry, Java 1.8, JavaScript, React JS, Spring Boot, Restful, SOAP, API Gateway, OAuth 2, Oracle DB, Maven, Groovy, Jenkins CI/CD, Git)*

**Software Engineer – Fitch Ratings Inc.** Reading, PA, 08/16 – 10/17

Built the Fitch Financial Data Repository application with multi-layer structure. Designed and developed business required feature from all different business groups. Implemented UI for templates management, and able to handle tones of complicate business auto calculation job and massive workload traffic. Processing messages asynchronously for large and long run financial calculation jobs.

*(Amazon Web Service, Java 1.8, Java Swing, EJB, JMS, Wildfly, SOAP Web Service, Rabbit MQ, Oracle DB, Mongo DB, Maven, SVN)*

**Software Engineer – Fitch Ratings Inc.** Reading, PA, 08/14 – 08/16

Launched a Content Management System web application for Fitchratings.com, implemented the internal UI for business to manipulate content of the website for end users. Designed the architecture of the application, with multi data providers. Developed internationalization language for country other than U.S., and integrated with CMS system. Worked with SA team, migrated the application to AWS cloud from legacy infrastructure.

*(Amazon Web Service, Java 1.8, Magnolia CMS, Vaadin, FreeMarker, html, JavaScript, JBoss/Wildfly, Spring Boot, Restful, Mongo DB, Oracle DB, Atlassian Bamboo)*

**Java Developer – Fitch Solutions Inc.** Reading, PA, 10/13 – 08/14

Designed and Implemented and ETL application for Fitch Solution IDS system, migrated data from Oracle Database to Mongo Database periodically. Built cyber jobs to run the ETL in a scheduled manner or manually. Also improved IDS UI and UX for batch document query and bulk operations.

*(Java 1.6, JavaScript, EJB, Spring Batch, Spring Security, Java ETL, Oracle DB, Mongo DB)*

## CERTIFICATE

AWS Certified DevOps Engineer – Professional (2020)

AWS Certified Solution Architect – Associate (2019)

## EDUCATION

**Master of Business Administration**

Information Technology, Goldey-Beacom College at Wilmington, DE 2017

**Master of Engineering**

Electrical Engineering, New Jersey Institute of Technology at Newark, NJ 2013